

glycoprotein B/gB Protein, HHV-2 (Cell-Free, His)

Cat. No.: HY-P702289

Synonyms: Envelope glycoprotein B

Species:

Source: E. coli Cell-free Accession: P08666 (A23-L904)

Gene ID:

Molecular Weight: 99.7 kDa

PROPERTIES

A P A A P A A P R A KR KT KK P P KR KR KT KK P P KR REAT P P D A N A T V A A G H A T L RAHLRE I K VE N A D A Q F V V C P P T G A T V V Q F Q P P T G A T V V Q F E Q P R C P T R P C Q N Y T E G I A V V F K E N I A P Y K F K A T M Y Y K D V T V S Q V W F G H RY S Q F M G I F E D R A P V P F E E V I D K I N T K G V C R S T A K Y V R N N ME T T A F H R D D H E T D M E L K P A K V A T R T S R G W H T D L K Y N P S R V E A F H R Y G T T V N C I V E E V D A R S V Y P Y D E F V L A T G D F V V M S P F Y G Y R E G S H T E H T S Y A A D R F K Q V D G F Y A R D L T T K A R A T S P T T R N L L T T P K F T V A W D W P K R P A V C T M T K Y N A T H I K V G Q P Q Y Y L A T G G F L I A Y Q P L L S N T L A E L Y V R E Y M R E Q D R K P R L Q F T Y N H I Q R H V N D M L G R I A N P N A I A S A T V G R R V S A R M L G S M R V S S R P G T C Y S R P L V S F R Y E D Q G P L I E G Q L G E N N E L R T T D A L E P C T V G G F Y A R Y L Y F R E G G G T V Y F E E Y A Y Q R R N Q L D T Y I R A D A N A A M F A G L C A F F E G M G D L G R A V G K V V M G V V G G V S A V S G G E G E E G A E G G G F D E A K L A A R K K G T S A L L S S K V T N M V L R K R N K A R Y S P L H N E D E A G D E A P D E A G T C T C H B A C A R E M I R T Y M L A R K K G T S A L L S S K V T N M V L R K R N K A R Y S P L H N E D E A G D E D E L A P D E M T I T C H G T C T C T C T C T C T C T C T C T C T	AA Sequence				
NADAQFYVCP VVFKENIAPY KFKATMYYKD VTVSQVWFGH RYSQFMGIFE DRAPVPFEEV IDKINTKGVC RSTAKYVRNN METTAFHRDD HETDMELKPA KVATRTSRGW HTTDLKYNPS RVEAFHRYGT TVNCIVEEVD ARSVYPYDEF VLATGDFVYM SPFYGYREGS HTEHTSYAAD RFKQVDGFYA RDLTTKARAT SPTTRNLLTT PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEGAGG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED Endotoxin Level		APAAPAAPRA	SGGVAATVAA	NGGPASRPPP	VPSPATTKAR
VVFKENIAPY KFKATMYYKD VTVSQVWFGH RYSQFMGIFE DRAPVPFEEV IDKINTKGVC RSTAKYVRNN METTAFHRDD HETDMELKPA KVATRTSRGW HTTDLKYNPS RVEAFHRYGT TVNCIVEEVD ARSVYPYDEF VLATGDFVYM SPFYGYREGS HTEHTSYAAD RFKQVDGFYA RDLTTKARAT SPTTRNLLTT PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED ENdotxin Level 41EU/μg, determined by LAL method.		KRKTKKPPKR	PEATPPPDAN	$A\;T\;V\;A\;A\;G\;H\;A\;T\;L$	RAHLREIKVE
DRAPVPFEEV IDKINTKGVC RSTAKYVRNN METTAFHRDD HETDMELKPA KVATRTSRGW HTTDLKYNPS RVEAFHRYGT TVNCIVEEVD ARSVYPYDEF VLATGDFVYM SPFYGYREGS HTEHTSYAAD RFKQVDGFYA RDLTTKARAT SPTTRNLLTT PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEGGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED Endotoxin Level <1EU/μg, determined by LAL method.		NADAQFYVCP	PPTGATVVQF	EQPRRCPTRP	EGQNYTEGIA
HETDMELKPA KVATRTSRGW HTTDLKYNPS RVEAFHRYGT TVNCIVEEVD ARSVYPYDEF VLATGDFVYM SPFYGYREGS HTEHTSYAAD RFKQVDGFYA RDLTTKARAT SPTTRNLLTT PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.		VVFKENIAPY	KFKATMYYKD	VTVSQVWFGH	RYSQFMGIFE
TVNCIVEEVD ARSVYPYDEF VLATGDFVYM SPFYGYREGS HTEHTSYAAD RFKQVDGFYA RDLTTKARAT SPTTRNLLTT PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level 1EU/µg, determined by LAL method.		DRAPVPFEEV	IDKINTKGVC	RSTAKYVRNN	METTAFHRDD
HTEHTSYAAD RFKQVDGFYA RDLTTKARAT SPTTRNLLTT PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method.		HETDMELKPA	KVATRTSRGW	HTTDLKYNPS	RVEAFHRYGT
PKFTVAWDWV PKRPAVCTMT KWQEVDEMLR AEYGGSFRFS SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method.		TVNCIVEEVD	ARSVYPYDEF	VLATGDFVYM	SPFYGYREGS
SDAISTTFTT NLTEYSLSRV DLGDCIGRDA REAIDRMFAR KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method.		HTEHTSYAAD	RFKQVDGFYA	RDLTTKARAT	SPTTRNLLTT
KYNATHIKVG QPQYYLATGG FLIAYQPLLS NTLAELYVRE YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.		PKFTVAWDWV	PKRPAVCTMT	KWQEVDEMLR	AEYGGSFRFS
YMREQDRKPR NATPAPLREA PSANASVERI KTTSSIEFAR LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.		SDAISTTFTT	NLTEYSLSRV	DLGDCIGRDA	REAIDRMFAR
LQFTYNHIQR HVNDMLGRIA VAWCELQNHE LTLWNEARKL NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method.		KYNATHIKVG	QPQYYLATGG	FLIAYQPLLS	NTLAELYVRE
NPNAIASATV GRRVSARMLG DVMAVSTCVP VAPDNVIVQN SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized powder. Formulation Level <1 EU/µg, determined by LAL method.		YMREQDRKPR	NATPAPLREA	PSANASVERI	KTTSSIEFAR
SMRVSSRPGT CYSRPLVSFR YEDQGPLIEG QLGENNELRL TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.		LQFTYNHIQR	HVNDMLGRIA	VAWCELQNHE	LTLWNEARKL
TRDALEPCTV GHRRYFIFGG GYVYFEEYAY SHQLSRADVT TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized powder. Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.		NPNAIASATV	GRRVSARMLG	DVMAVSTCVP	VAPDNVIVQN
TVSTFIDLNI TMLEDHEFVP LEVYTRHEIK DSGLLDYTEV QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level https://www.edu.nethod.		SMRVSSRPGT	CYSRPLVSFR	YEDQGPLIEG	QLGENNELRL
QRRNQLHDLR FADIDTVIRA DANAAMFAGL CAFFEGMGDL GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Image: Comparison of the		TRDALEPCTV	GHRRYFIFGG	GYVYFEEYAY	SHQLSRADVT
GRAVGKVVMG VVGGVVSAVS GVSSFMSNPF GALAVGLLVL AGLVAAFFAF RYVLQLQRNP MKALYPLTTK ELKTSDPGGV GGEGEEGAEG GGFDEAKLAE AREMIRYMAL VSAMERTEHK ARKKGTSALL SSKVTNMVLR KRNKARYSPL HNEDEAGDED EL Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level 41 EU/μg, determined by LAL method.		TVSTFIDLNI	TMLEDHEFVP	LEVYTRHEIK	DSGLLDYTEV
A G L V A A F F A F R Y V L Q L Q R N P M K A L Y P L T T K E L K T S D P G G V G G E G E E G A E G G G F D E A K L A E A R E M I R Y M A L V S A M E R T E H K A R K K G T S A L L S S K V T N M V L R K R N K A R Y S P L H N E D E A G D E D E L Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level 41 EU/µg, determined by LAL method.		QRRNQLHDLR	FADIDTVIRA	DANAAMFAGL	CAFFEGMGDL
G G E G E E G A E G G G F D E A K L A E A R E M I R Y M A L V S A M E R T E H K A R K K G T S A L L S S K V T N M V L R K R N K A R Y S P L H N E D E A G D E D E L Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method.		GRAVGKVVMG	V V G G V V S A V S	GVSSFMSNPF	GALAVGLLVL
A R K K G T S A L L S S K V T N M V L R K R N K A R Y S P L H N E D E A G D E D E L Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method.		AGLVAAFFAF	RYVLQLQRNP	MKALYPLTTK	ELKTSDPGGV
E L Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method.		GGEGEEGAEG	GGFDEAKLAE	AREMIRYMAL	VSAMERTEHK
Appearance Lyophilized powder. Formulation Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method.		ARKKGTSALL	SSKVTNMVLR	KRNKARYSPL	HNEDEAGDED
Formulation Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method.		E L			
Formulation Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method.					
Endotoxin Level <1 EU/μg, determined by LAL method.	Appearance	Lyophilized powder.			
Endotoxin Level <1 EU/μg, determined by LAL method.	Formulation	Lyophilized from a 0.22 u	m filtered solution of Tris/PF	3S-based buffer, 6% Trebalog	se. pH 8.0.
		_, -, -, -, -, -, -, -, -, -, -, -, -, -,			
$\textbf{Reconsititution} \hspace{1.5cm} \textbf{It is not recommended to reconstitute to a concentration less than 100 \mu g/mL in ddH_2O. For long term storage it is}$	Endotoxin Level	<1 EU/μg, determined by LAL method.			
	Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu g/mL$ in ddH $_2$ O. For long term storage it is			

	recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Glycoprotein B (gB) is a critical envelope glycoprotein integral to the structure of virions, forming spikes on the viral envelope surface. Its primary role lies in the initial attachment to heparan sulfate moieties present on host cell surface proteoglycans. This interaction is essential for the initial stages of viral entry into the host cell. Subsequently, gB is actively involved in the fusion of viral and cellular membranes, facilitating the entry of the virus into the host cell. Following initial binding to host receptors, the fusion process is orchestrated by the fusion machinery, consisting of at least gB and the heterodimer gH/gL. Additionally, gB may play a role in mediating the fusion between the virion envelope and the outer nuclear membrane during virion egress. Structurally, gB exists as a homotrimer, linked by disulfide bonds, and it interacts with heparan sulfate proteoglycans as well as the gH/gL heterodimer, highlighting its pivotal role in the complex mechanisms of viral entry and egress (

Caution: Product has not been fully validated for medical applications. For research use only.

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