

Hemagglutinin neuraminidase/HN Protein, HPIV-1 (Cell-Free, His)

Cat. No.:	HY-P702316
Synonyms:	Hemagglutinin-neuraminidase
Species:	Virus
Source:	E. coli Cell-free
Accession:	P16071 (M1-S575)
Gene ID:	/
Molecular Weight:	65.5 kDa

PROPERTIES

AA Sequence

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MAEKGKTNSS      YWSTTRNDNS      TVNTYIDTPA      GKTHIWLLIA
TTMHTILSFI      IMILCIDLII      KQDTCMKTNI      MTVSSMNESEA
KTIKETITEL      IRQEVISRTI      NIQSSVQSGI      PILLNKQSRD
LTQLIEKSCN      RQELAQICEN      TIAIHHADGI      SPLDPHDFWR
CPVGEPLLSN      NPNISLLPGP      SLLSGSTTIS      GCVRLPSLSI
GDAIYAYSSN      LITQGCADIG      KSYQVLQLGY      ISLNSDMYPD
LKPVISHTYD      INDNRKSCSV      IAAGTRGYQL      CSLPTVNETT
DYSSEGIEDL      VFDILD LKGGK    TKS HRYKNED    ITFDHPFSAM
YPSVGS GIKI     ENTLIFLGYG      GLTTP LQGDT    KCVTNRCANV
NQSVCNDALK      ITWLK KRQVV     NVLIRINNYL     SDRPKIVVET
IPITQNYLGA      EGRLLKLGKK     IYIYTRSSGW     HSHLQIGSLD
INNPMTIKWA      PHEVLSRPGN     QDCNWNRCPE     RECISGVYTD
AYPLSPDAVN      VATTTLYANT     SRVNPTIMYS     NTSEIINMLR
LKNVQLEAAY      TTTSCITHFG     KGYCFHIVEI     NQTS LNTLQP
MLFKTSIPKI      CKITS
  
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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.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. 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

The Hemagglutinin neuraminidase/HN protein plays a crucial role in initiating infection by attaching the virus to sialic acid-containing cell receptors. Upon binding to the receptor, HN protein induces a conformational change that facilitates the triggering of fusion between virion and cell membranes by the F protein. Additionally, the neuraminidase activity of HN ensures the efficient spread of the virus by dissociating mature virions from neuraminic acid-containing glycoproteins.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA