

SEY1 Protein, Plasmodium knowlesi (Cell-Free, His)

Cat. No.:	HY-P702432
Synonyms:	Protein SEY1 homolog
Species:	Others
Source:	E. coli Cell-free
Accession:	B3LAJ9 (M1-D883)
Gene ID:	7322988
Molecular Weight:	103.5 kDa

PROPERTIES

AA Sequence

MQMDRKTQII	DYDGNMIADL	KEWMIRNKLA	NLGFNYNVVA
ILGSQSSGKS	TLLNNLFKTS	FDMNTKLGH	SQTTQGLWLS
FDTFEESPVS	PLEKGNSTTP	INPTLILDVE	GNDSKERGDN
RLTFEHRSA	FSLALADCLI	VNLWYHSLGN	FTASNYGLLK
TVMEVNLELF	QQDKNCPKTI	LLFTVRDWE	EFASIDIVKN
KIVEEYLNKI	WAEMKKPPSA	KKANINNYFI	VEVVGLSHAI
IKKTEFLNDV	ENLRKKWINE	LRPLQYSRNI	PSDGFAYHCN
NIWNTIVKQS	QLDIPSQKEM	LATFRCQEI	NNVISNTSKM
IKEKLTASSS	QPTSASIDEF	KSWAEKDIVE	KSLDEYFVDA
SRYTESICLK	TSEELLESLF	IQLQTIVDNN	LNFTQRVLSA
KFANELNTMY	SVCTSDKNVF	LFSKESNLQV	HKDGNNGSNS
KEDKKDENTS	QDKCIRLWSS	FLSNADKLEY	ITFCNFFESY
QKCNIEIRKK	NKIHAFNYKP	SLNILLTSIC	KDMNIRINTQ
FTVLLERTRA	TIKSRFKNMD	NLLITTKNPE	EYWNHTLKIV
KALQESINNN	LTKCFINLKG	GGPGSSVAGI	SNELFDHDED
NTFHVDSPSE	GHRISDNRT	AHENKHYVDE	NLLNYKKIDI
IKNKGKYISS	VSEEDKQIK	NKKAISELNN	YYLDEIMDVL
KSKLDEISDN	LSSIIIQRFE	SVFNYDDAEQ	PRHWREISMA
ELKKIFRESK	NYAFLIIDIL	QKNIKVELID	DYLPNNFIKD
EVIKKGKKA	KRKIQEICRD	AQYIQETGGK	MSLKNVPLFF
WVILLILGWN	ELLFFIRFFF	RLNIIPLPL	AAAVILSTLF
FNGNMEVLST	INKVVFFLAK	SSFGFYRQLQ	TMGEKVAQVP
TAD			

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 SEY1 protein takes on the role of a probable GTP-binding protein crucially involved in the generation and maintenance of the structural integrity of the tubular endoplasmic reticulum network. Operating as a GTP-binding protein, SEY1 likely plays a pivotal role in the intricate processes that govern the formation and stability of the tubular endoplasmic reticulum, contributing to the overall architecture and function of this essential cellular compartment. While the specific molecular mechanisms and interactions associated with SEY1 await further exploration, its designation as a GTP-binding protein underscores its potential as a key regulator in shaping and sustaining the dynamic morphology of the endoplasmic reticulum network within the cell.

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

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