

Hemagglutinin glycoprotein Protein, Measles virus (Cell-Free, His)

Cat. No.:	HY-P702315
Synonyms:	Hemagglutinin glycoprotein
Species:	Virus
Source:	E. coli Cell-free
Accession:	P35971 (M1-R617)
Gene ID:	/
Molecular Weight:	75.4 kDa

PROPERTIES

AA Sequence

MSPQRDRINA	FYKDNPHPKG	SRIVINREHL	MIDRPYVLLA
VLFVFMFLSLI	GLLAIAGIRL	HRAAIYTAEI	HKSLSSTNLDV
TNSIEHQVKD	VLTPLFKIIG	DEVGLRTPQR	FTDLVKFISD
KIKFLNPDRE	YDFRDLTWCI	NPPERIKLDY	DQYCADVAEE
ELMNALVNST	LLETRTTNQF	LAVSKGNCSG	PTTIRGQFSN
MSLSLLDLYL	GRGYNVSSIV	TMTSQGMYGG	TYLVEKPNLS
SKRSELSQLS	MYRVFEVGV I	RNPGLGAPVF	HMTNYLEQPV
SNDLSNCMVA	LGELKLAALC	HREDSITIPY	QGSKGKGVSFQ
LVKLG VWKSP	TDMQSWV TLS	TDDPVIDRLY	LSSHRGVIAD
NQAKWAVPTT	RTDDKLRMET	CFQQACKGKI	QALCENPEWA
PLKDNRI PSY	GVLSVDLSLT	VELKIKIASG	FGPLITHGSG
MDLYKSNHNN	VYWLTIPPMK	NLALGVINTL	EWIPRFKVSP
YLFNVPIKEA	GEDCHAPTYL	PAEVDGDVKL	SSNLVILPGQ
DLQYVLATYD	TSRVEHAVVY	YVYSPSR SFS	YFYPPFRLPIK
GVPIELQVEC	FTWDQKLWCR	HFCVLADSES	GGHITHSGMV
GMGV SCTVTR	EDGTNRR		

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.22 μ m filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Endotoxin Level

<1 EU/ μ g, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μ g/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 glycoprotein plays a crucial role in the initiation of infection by attaching the virus to cell receptors. Upon binding to the receptor, the H protein induces a conformational change that facilitates the triggering of fusion between virion and cell membranes by the F protein. The virus may utilize human CD46 and/or SLAMF1 as receptors for cellular entry. The strong interaction between H and MCP/CD46 leads to the down-regulation of the latter from the surface of infected cells, enhancing their susceptibility to c3b-mediated complement lysis. Additionally, the H protein interacts with human NECTIN4, enabling viral infection of the respiratory epithelium.

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