

Hemagglutinin neuraminidase/HN Protein, HPIV-3 (Cell-Free, His)

Cat. No.:	HY-P702317
Synonyms:	Hemagglutinin-neuraminidase
Species:	Virus
Source:	E. coli Cell-free
Accession:	P08492 (M1-S572)
Gene ID:	/
Molecular Weight:	65.7 kDa

PROPERTIES

AA Sequence

MEYWKHTNHG	KDAGNELETS	MATHGNKITN	KITYILWTII
LVLLSIVFII	VLINSIKSEK	AHESLLQDVN	NEFMEVTEKI
QMASDNINDL	IQSGVNTRL	TIQSHVQNYI	PISLTQQMSD
LRKFISEITI	RNDNQEVPPQ	RITHDVGIKP	LNPDDFWRCT
SGLPSLMKTP	KIRLMPGPG	LAMPPTVDGC	VRTPSLVIND
LIYAYTSNLI	TRGCQDIGKS	YQVLQIGIIT	VNSDLVPDLN
PRISHTFNIN	DNRKSCSLAL	LNTDVYQLCS	TPKVDERSDY
ASSGIEDIVL	DIVNHDGSI	TTRFKNNNIS	FDQPYAALYP
SVGPGIYYKG	KIIFLGYGGL	EHPINENAIC	NTTGCPGKTQ
RDCNQASHSP	WFSDRRMVNS	IIVVDKGLNS	IPKCLKVWTIS
MRQNYWGSEG	RLLLLGNKIY	IYTRSTSWHS	KLQLGIIIDIT
DYSDIRIKWT	WHNVLSRPGN	NECPWGHSCP	DGCITGVYTD
AYPLNPTGSI	VSSVILDSQK	SRVNPVITYS	TSTERNVELA
IRNKTL SAGY	TTTSCITHYN	KGYCFHIVEI	NHKS LDTFQP
MLFKTEIPKS	CS		

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 viral infection. It attaches the virus to cell receptors containing sialic acid, initiating the infection process. When the HN protein binds to the receptor, it induces a conformational change that enables the F protein to trigger fusion between the virion and cell membranes. This fusion event facilitates the entry of the virus into the host cell. Additionally, the HN protein exhibits neuraminidase activity, which aids in the efficient spread of the virus. By dissociating mature virions from neuraminic acid-containing glycoproteins, the HN protein enables the virus to propagate effectively.

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

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