

Hemagglutinin neuraminidase/HN Protein, Newcastle disease virus (Cell-Free, His)

Cat. No.:	HY-P702320
Synonyms:	Hemagglutinin-neuraminidase
Species:	Virus
Source:	E. coli Cell-free
Accession:	P35741 (M1-V571)
Gene ID:	/
Molecular Weight:	68.7 kDa

PROPERTIES

AA Sequence

MDRAVSRVAL	ENEEREAKNT	WRFVFR IAIL	LLIVITLAIS
AAALVYSMEA	STPGDLVGIP	TVISR AEEKI	TSALSSNQDV
VDRIYKQVAL	ESPLALLNTE	SVIMNAITSL	SYQINGAANN
SGCGAPVHDP	DYIGGIGKEL	IVDDASDVTS	FYP S A F Q EHL
NFIPAPTTGS	GCTRIP SFDI	SATHYCYTHN	VILSGCRDHS
HSHQYLALGV	LRTSATGRVF	FSTLRSINLD	DNQNRKSCSV
SATPLGCDML	CSKITETEEE	DYSSVTPTSM	VHGRLGFDGQ
YHEKDLDVIT	LFKDWVANYP	GVGGGSFIDN	RVWFPVYGG L
KPNSPSDTVQ	EGRYVIYKRY	NDTCPDEQDY	QIRMAKSSYK
PGRFGGKRVQ	QAILSIKVST	SLGEDPVLTI	PPNTV TLMGA
EGRVLT VGT S	HFLYQRGSSY	FSPALLYPMT	VNNKTATLHS
PYTFNAFTRP	GSVPCQASAR	CPNSCVTGVY	TDPYPLIFHR
NHTLRGVFGT	MLDDGQARLN	PVSAVFDNIS	RSRITRVSSS
RTKAA YTTST	CFKVVKTNKT	YVLSIAEISN	TLFGEFRIVP
LLVEILKNDG	V		

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 the viral entry process by mediating the entry of the virus into the host cell, working in coordination with the fusion (F) protein. HN attaches the virus to sialic acid-containing cell receptors, initiating the infection process. Upon binding to the receptor, the HN protein induces a conformational change that enables the F protein to trigger the fusion of virion and cell membranes. Additionally, the neuraminidase activity of HN is instrumental in facilitating the efficient spread of the virus. This activity is responsible for dissociating mature virions from neuraminic acid-containing glycoproteins, contributing to the overall success of viral propagation.

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