

Hemagglutinin neuraminidase/HN Protein, Mumps virus strain RW (Cell-Free, His)

Cat. No.:	HY-P702319
Synonyms:	Hemagglutinin-neuraminidase
Species:	Virus
Source:	E. coli Cell-free
Accession:	P10866 (M1-T582)
Gene ID:	/
Molecular Weight:	65.6 kDa

PROPERTIES

AA Sequence

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MEPSKLF T I S   D N A T F A P G P V   N N A A D K K T F R   T C F R I L V L S V
Q A V T L I L V I V   T L G E L V R M I N   D Q G L S N Q L S S   I T D K I R E S A T
M I A S A V G V M N   Q V I H G V T V S L   P L Q I E G N Q N Q   L L S T L A T I C T
S K K Q I S N C S T   N I P L V N D L R F   I N G I N K F I I E   D Y A N H D F S I G
H P L N M P S F I P   T A T S P N G C T R   I P S F S L G K T H   W C Y T H N V I N A
N C K D H T S S N Q   Y V S M G I L V Q T   A S G Y P M F K T L   K I Q Y L S D G L N
R K S C S I A T V P   D G C A M Y C Y V S   T Q L E T D D Y A G   S S P P T Q K L T L
L F Y N D T V T E R   T I S P S G L E G N   W A T L V P G V G S   G I Y F E N K L I F
P A Y G G V L P N S   T L G V K L A R E F   F R P V N P Y N P C   S G P Q Q D L D Q R
A L R S Y F P S Y L   S N R R V Q S A F L   V C A W N Q I L V T   N C E L V V P S N N
Q T L M G A E G R V   L L I N N R L L Y Y   Q R S T S W W P Y E   L L Y E I S F T F T
N S G Q S S V N M S   W I P I Y S F T R P   G S G K C S G E N V   C P I A C V S G V Y
L D P W P L T P Y S   H Q S G I N R N F Y   F T G A L L N S S T   T R V N P T L Y V S
A L N N L K V L A P   Y G T Q G L S A S Y   T T T T C F Q D T G   D A S V Y C V Y I M
E L A S N I V G E F   Q I L P V L T R L T   I T

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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 viral infection by attaching the virus to cell receptors that contain 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 virus and the cell membranes, facilitating the entry of the virus into the host cell. Additionally, the HN protein exhibits neuraminidase activity, which ensures the efficient spread of the virus by dissociating the mature virions from glycoproteins containing neuraminic acid.

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

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