

## HA/Hemagglutinin Protein, H5N1 (AAT76166, sf9, His)

Cat. No.:	HY-P74008
Synonyms:	HA; Hemagglutinin; HA/Hemagglutinin Protein, H5N1 (A/chicken/Jilin/9/2004, sf9, His)
Species:	Virus
Source:	Sf9 insect cells
Accession:	AAT76166 (M1-Q531)
Gene ID:	/
Molecular Weight:	Approximately 59.4 kDa

### PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

### DESCRIPTION

Background	HA (Hemagglutinin), a class I viral fusion protein, binds to sialic acid-containing receptors, initiating virus attachment to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. HA is pivotal in determining virus host range and virulence. Following endocytosis, HA mediates fusion of the virus and endosomal membranes, allowing virus entry into the cell cytoplasm. In the acidic endosomal environment, HA2 undergoes conformational changes, releasing a fusion peptide and forming a fusion pore. HA, existing as a homotrimer, comprises disulfide-linked HA1-HA2 subunits and interacts with human CACNA1C <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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