Hemagglutinin/HA Protein, H11N2 (AAY85533, HEK293, His)

Cat. No.:	HY-P77014
Synonyms:	Influenza A H11N2 (A/duck/Yangzhou/906/2002) Hemagglutinin / HA Protein (His)
Species:	Virus
Source:	HEK293
Accession:	AAY85533 (M1-K528)
Gene ID:	/
Molecular Weight:	Approximately 70 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	HA/Hemagglutinin Protein is a type of viral fusion protein that mediates the fusion of the membrane of endocytosed virus particles with the endosome membrane, responsible for penetrating the virus into the cytoplasm. The membrane fusion mediated by HA/Hemagglutinin Protein occurs in vivo and depends on the pH value in vivo. The acidic environment in vivo triggers conformational changes in HA/Hemagglutinin Protein, which in turn induces virus-host membrane fusion. HA/Hemagglutinin Protein binds to sialic acid receptors, allowing the virus particles to attach to cells. HA/Hemagglutinin Protein is a homotrimer consisting of a globular head domain located at the top of the membrane proximal stalk domain[1] [2].

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