

Hemagglutinin/HA Protein, H6N4 (CAC84244, HEK293, His)

Cat. No.:	HY-P77032
Synonyms:	Influenza A H6N4 (A/chicken/Hong Kong/17/1977) Hemagglutinin / HA Protein (His)
Species:	Virus
Source:	HEK293
Accession:	Q8UWX0 (M1-Q529)
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
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	Hemagglutinin/HA protein binds to sialic acid-containing receptors on the cell surface, leading to the attachment of the virus particle to the cell. This attachment can trigger virion internalization through either clathrin-dependent endocytosis or a clathrin- and caveolin-independent pathway. HA protein plays a crucial role in determining the host range restriction and virulence of the virus. As a class I viral fusion protein, it is responsible for facilitating the penetration of the virus into the cell cytoplasm by mediating the fusion between the membrane of the endocytosed virus particle and the endosomal membrane. In the low pH environment of endosomes, HA2 undergoes an irreversible conformational change, which results in the release of the fusion hydrophobic peptide. Multiple HA trimers are required to form a competent fusion pore.
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Caution: Product has not been fully validated for medical applications. For research use only.

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