

Recombinant Influenza A H7N9 Hemagglutinin/HA1 protein, His-tagged

Cat. No. HA-04I Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Influenza A virus (A/Anhui/1-BALF_RG45/2013(H7N9)) HA1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Species Influenza A

Source Insect Cells

ProteinLength 19-339

Description Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization either through clathrin-dependent endocytosis or through clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. Responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore.

Form Liquid

Molecular Mass 36 kDa (330aa)

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AA Sequence	DKICLGHHAVSNGTKVNTLTERGVEVVNATETVERTNIPRICSKGKRTVDLGQCGLL GTITGPPQCDQFLEFSADLIIRREGSDVCYPGKFVNEEALRQILRESGGIDKEAMGF TYSGIRTNGATSACRRSGSSFYAEMKWLLSNTDNAAFPMTKSYKNTRKSPALIVW GIHHSVSTAEQTKLYGSGNKLVTVGSSNYQQSFVPSGARPVNGLSGRIDFHWM LNPNDTVTFSENGAFIAPDRASFLRGKSMGIQSGVQVDANCEGDCYHSGGTIISNLP FQNIDRAVVGKCPRYVKQRSLLLATGMKNVPEIPKGR
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95 % by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4) containing 10% glycerol

GENE INFORMATION

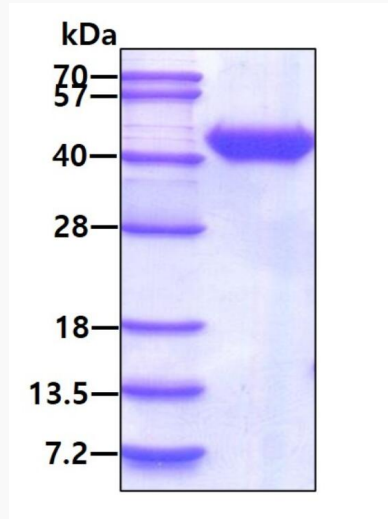
Official Symbol	HA
Synonyms	Hemagglutinin; HA
UniProt ID	A0A024E3P0

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SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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