

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)

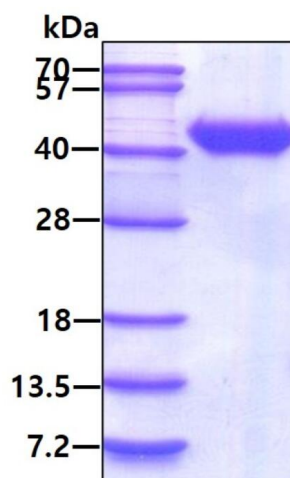
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AA Sequence	DKICLGHHAVSNGTKVNTLTERGVEVVNATETVERTNIPRICSKGKRTVDLGQCGLL GTITGPPQCDQFLEFSADLIIRREGSDVCYPGKFVNEEALRQILRESGGIDKEAMGF TYSGIRTNGATSACRRSGSSFYAEMKWLLSNTDNAAFPMKTSYKNTRKSPALIVW GIHHSVSTAEQTKLYGSGNKLVTVGSSNYQQSFVPSPGARPQVNGLSGRIDFWLM LNPNDTVTFSENGAFIAPDRASFLRGKSMGIQSGVQVDANCEGDCYHSGGTIISNLP FQNIDSRAVGKCPRYVKQRSLLLATGMKNVPEIPKGR
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

SDS-PAGE



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

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