

Recombinant Influenza A H3N2 Hemagglutinin/HA1 protein, His tagged

Cat. No. HA-100I Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Perth/16/2009 H3N2) HA protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	IAV
Source	Insect Cells
ProteinLength	17-345aa
Description	Influenza A virus H3N2 is a subtype of viruses that cause influenza (flu). H3N2 viruses can infect birds and mammals. In birds, humans, and pigs, the virus has mutated into many strains. Hemagglutinin (HA) binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. It plays a major role in the determination of host range restriction and virulence and is 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.
Tag	C-His
Form	Liquid
Molecular Mass	37.8 kDa (339aa)

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AA Sequence	< ADPM> QKLPGNDNSTATLCLGHHAVPNGTIVKTITNDQIEVTNATELVQSSSTGEI CDSPHQILDGKNCTLIDALLGDPQCDGFQNKKWDLFVERSKAYSNCYPYDVPDYAS LRSLVASSGTLEFNNEFNWTGVTQNGTSSACIRRSKNSFFSRLNWLTHLNFKYPAL NVTMPNNEQFDKLYIWGVHHPGTDKQIFLYAQASGRITVSTKRSQQTVSPNIGSRP RVRNIPSRISYWTIVKPGDILLINSTGNLIAPRGYFKIRSGKSSIMRSDAPIGKCNSECI TPNGSIPNDKPFQNVNRITYGACPRYVKQNTLKLATGMRNVPEKQTR< HHHHHH>
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% 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.
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Concentration	0.5 mg/mL (determined by Bradford assay)
Reference	1. Alymova IV., et al. (2011) J Virol. 85(23):12324-33. 2. Cappuccio JA., et al. (2011) J Gen Virol. 92(12):2871-8.

GENE INFORMATION

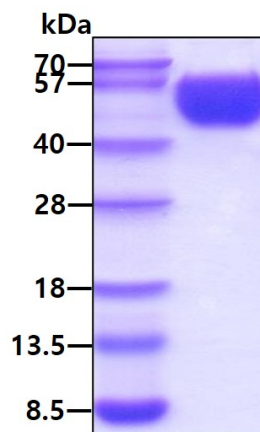
Official Symbol	HA
Synonyms	Hemagglutinin; HA
UniProt ID	C6KNH7

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SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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