

# Recombinant Influenza A H3N2 Hemagglutinin/HA1 protein, His tagged

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	IAV
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	17-345aa
<b>Description</b>	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.
<b>Tag</b>	C-His
<b>Form</b>	Liquid
<b>Molecular Mass</b>	37.8 kDa (339aa)

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<b>AA Sequence</b>	< ADPM> QKLPGNDNSTATLCLGHHAVPNGTIVKTITNDQIEVTNATELVQSSSTGEI CDSPHQILDGKNCTLIDALLGDPQCDGFQNKKWDLFVERSKAYSNCYPYDVPDYAS LRSLVASSGTLEFNNEFNWTGVTQNGTSSACIRRSKNSFFSRLNWLTHLNFKYPAL NVTMPNNEQFDKLYIWGVHHPGTDKQIFLYAQASGRITVSTKRSQQTVSPNIGSRP RVRNIPSRISIWYWTIVKPGDILLINSTGNLIAPRGYFKIRSGKSSIMRSDAPIGKCNSECI TPNGSIPNDKPFQNVNRITYGACPRYVKQNTLKLATGMRNVPEKQTR< HHHHHH>
<b>Endotoxin</b>	< 1 EU/μg by LAL
<b>Purity</b>	> 90% by SDS-PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	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.
<b>Storage Buffer</b>	20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
<b>Concentration</b>	0.5 mg/mL (determined by Bradford assay)
<b>Reference</b>	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

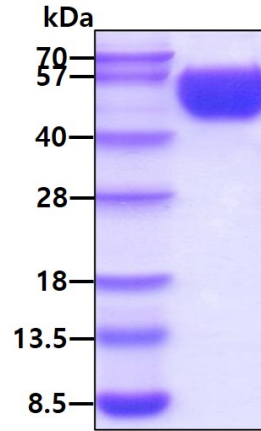
<b>Official Symbol</b>	HA
<b>Synonyms</b>	Hemagglutinin; HA
<b>UniProt ID</b>	<a href="#">C6KNH7</a>

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**SDS-PAGE**



3  $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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