

Recombinant Influenza A virus HA protein

Cat. No. HA-001I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (H3N2, canine) HA protein (18-344aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Influenza A virus
Source	Insect Cells
ProteinLength	18-344 a.a.
Description	H3N2-HA1, also known as hemagglutinin antigen, is a subtype of viruses that causes influenza (flu). H3N2 Viruses can infect birds and mammals. In birds, humans, and pigs, the virus has mutated into many strains. It is increasingly abundant in seasonal influenza. This protein binds to sialic acid receptors on the cell surface, allowing viral particles to attach to cells. It plays an important role in host range restriction and toxicity determination, and mediates the penetration of virus into the cytoplasm by mediating the fusion of endosomal membrane and membrane.
Form	Liquid
Molecular Mass	36.9 kDa
N-terminal Sequence Analysis	Ala

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Endotoxin	< 1.0 EU per 1 µg of protein (determined by LAL method)
Purity	> 90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Warning	For research use only. This product is not intended or approved for human, diagnostics or veterin
AA Sequence	ADPNLPGNENNAATLCLGHHAVPNGTIVKTITDDQIEVTNATELVQNSSTGKICNNPH KILDGRDCTLIDALLGDPHCDVFQNETWDLFVERSNAFSNCYPYDVPDYASLRSIVA SSGTLEFITEGFTWAGVTQNGGSGACKRGPANGFFSRLNWLTKSGNTYPVLNVTM PNNNNFDKLYIWGVHHPSTNQEQTSLYIQASGRVTVSTRRSQQTIIPNIGSRPLVRG QSGRISVYWTIVKPGDVLVINSNGNLIAPRGYFKMRIGKSSIMRSDAPIDTCISECITP NGSIPNEKPFQNVNKITYGACPKYVKQNTLKLATGMRNVPEKQTHHHHHH