Recombinant Influenza A [A/Guinea fowl/Hong Kong/WF10/99(H9N2)] Hemagglutinin (HA) protein, His-tagged

Cat. No. HA-350I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A [A/Guinea fowl/Hong Kong/WF10/99(H9N2)] Hemagglutinin (HA) protein (Asp19-Lys523), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Influenza Virus
Source	HEK293
ProteinLength	505
Description	Neuraminidase (NA) and hemagglutinin (HA) are major membrane glycoproteins found on the surface of influenza virus. Hemagglutinin binds to the sialic acid-containing receptors on the surface of host cells during initial infection and at the end of an infectious cycle. Hemagglutinin also plays a major role in the determination of host range restriction and virulence. As a class I viral fusion protein, hemagglutinin 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.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 58.7 kDa. The protein migrates as 60-90 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	HA
Official Symbol	HA
Synonyms	FLUAVAHHH9N2s4gp1
Gene ID	1460996
Protein Refseq	NP_859037.1
UniProt ID	Q80KD9

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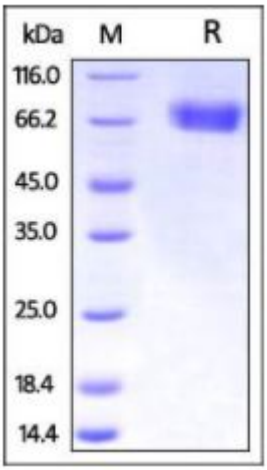
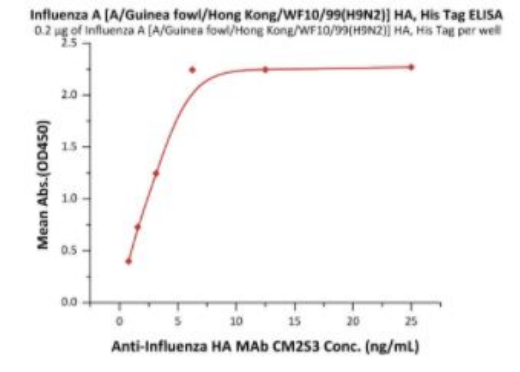
SDS-PAGE of HA-350I	 Influenza, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.
Bioactivity-ELISA of HA-350I	 Immobilized Influenza A [A/Guinea fowl/Hong Kong/WF10/99(H9N2)] HA, His Tag at 2 μg/mL (100 μL/well) can bind Anti-Influenza HA MAb CM2S3 with a linear range of 0.4-3 ng/mL (QC tested).

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