

Recombinant Influenza A [A/Hong Kong/483/97 (H5N1)] HA protein, His-tagged

Cat. No. HA-344V Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Influenza A [A/Hong Kong/483/97 (H5N1)] HA (Asp17-Gln531) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).

Species

Influenza

Source

HEK293

ProteinLength

Asp17-Gln531

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.

Predicted N Terminal

Asp17

Form

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.

Molecular Mass

The protein has a calculated MW of 60.3 kDa. The protein migrates as 66-100 kDa under reducing (R) condition (SDS-PAGE).

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
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°C before opening to recover the entire contents.

GENE INFORMATION

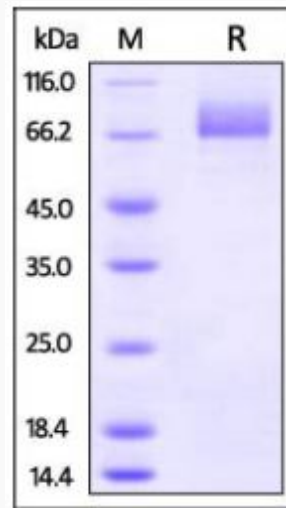
Gene Name	HA
Official Symbol	HA
Synonyms	FLUAVH5N1_s4gp1
Gene ID	3654620
Protein Refseq	YP_308669.1
UniProt ID	O92930

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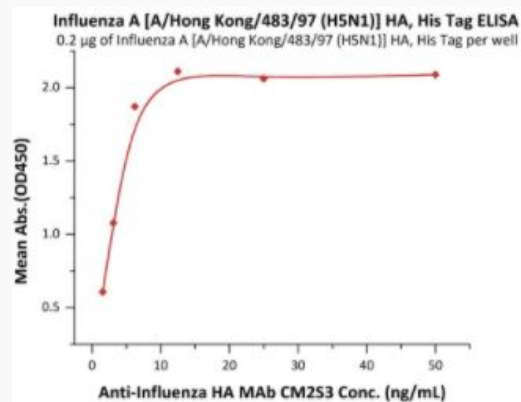
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SDS-PAGE of HA-344V



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-344V



Immobilized Influenza A [A/Hong Kong/483/97 (H5N1)] HA, His Tag at 2 µg/mL (100 µL/well) can bind Anti-Influenza HA MAb CM2S3 with a linear range of 0.4-6 ng/mL (QC tested).

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