

Recombinant human influenza B virus Hemagglutinin protein, His tagged

Cat. No. HA-1175I Lot. No. (See product label)

SPECIFICATION

Product Overview	C-terminal 6xHis tagged ectodomain of human influenza B virus (B/Florida/4/2006) HA protein (amino acid 16-546) (Genebank No. ACA33493)
Species	Influenza B virus (B/Florida/4/2006)
Source	HEK293
ProteinLength	16-546 aa
Description	Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. 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. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore.
Tag	C-6xHis
AA Sequence	DRICTGITSSNSPHVVKATQGEVNVTVIPLTTTTPTKSYFANLKGTRTRGKLCPCDCL NCTDLVALGRPMC VGTTPSAKASILHEVKPVTSGCFPIIMHDRTKIRQLPNLLRGYE

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NIRLSTQNVIDAKAPGGPYRLGTSGSCP NATSKSGFFATMAWAVPKDNNKNATNPL
 TVEVPYICTEGEDQITVWGFHSDDKTQMKNLYGDSNPQKFTSSANGVTTHYVSQIG
 SFPDQTEDGGLPQSGRIVVDYMMQKPGTGTIVYQRGVLLPQKVCASGRSKVIKG
 SLPLIGEADCLHEKYGGLNKSPPYYTGEHAKAIGNCPIWVK TPLKLANGTKYRPPAKL
 LKERGFFGAIAGFLEGGWEGMIAGWHGYTSHGAHGVAVAADKSTQEAINKITKNLN
 SLSELEVKNLQRLSGAMDELHNEILELDEKVVDDL RADTISSQIELAVLLSNEGIINSE
 EHL LALERK LK KMLGPSAVEIGNGCFETKHKCNQTCLDR IAAGTFNAGEFSLPFDSL
 NITAASLNDDGLDNH

Endotoxin <0.01 EU/μg of the protein by LAL test

Purity > 95% by SDS-PAGE

Applications Western Blot standard (WB), ELISA (EIA)

Storage Store at -20 centigrade; Stable for 6-months from the date of receipt when kept at 4 centigrade. Non-hazardous.

Storage Buffer PBS

Concentration 1 μg/μL

GENE INFORMATION

Official Symbol HA

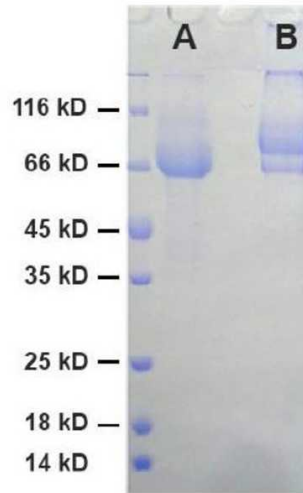
Synonyms Hemagglutinin; HA; B1AG46_9INFB

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**SDS-PAGE: purified
HA
(B/Florida/4/2006)(aa
16-546) protein**



A: reducing condition;
B: non-reducing condition

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