Recombinant human influenza B virus Hemagglutinin protein, His tagged

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

SPECIFICATION

Product Overview	C-terminal 6×His 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-6×His
AA Sequence	DRICTGITSSNSPHVVKTATQGEVNVTGVIPLTTTPTKSYFANLKGTRTRGKLCPDCL NCTDLDVALGRPMCVGTTPSAKASILHEVKPVTSGCFPIMHDRTKIRQLPNLLRGYE

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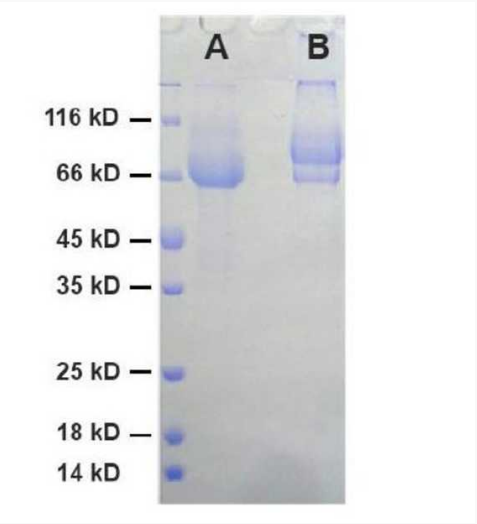
	NIRLSTQNVIDAKAPGGPYRLGTSGSCPNATSKSGFFATMAWAVPKDNNKNATNPL TVEVPYICTEGEDQITVWGFHSDDKTQMKNLYGDSNPQKFTSSANGVTTHYVSQIG SFPDQTEDGGLPQSGRIVVDYMMQKPGTGTIVYQRGVLLPQKVWCASGRSKVIKG SLPLIGEADCLHEKYGGLNKSKPYYTGEHAKAIGNCPIWVKTPLKLANGTKYRPPAKL LKERGFFGAIAGFLEGGWEGMIAGWHGYTSHGAHGVAVAADKSTQEAINKITKNLN SLSELEVKNLQRLSGAMDELHNEILELDEKVDDLRADTISSQIELAVLLSNEGIINSED EHLLALERKLKKMLGPSAVEIGNGCFETKHKCNQTCLDRIAAGTFNAGEFSLPFDSL 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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