

Recombinant Influenza A H3N2 Hemagglutinin/HA1 protein

Catalog Number: ATGP3799

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

18-344aa

UniProt No.

E2E3B0

NCBI Accession No.

ADB45177

Alternative Names

Hemagglutinin, Influenza A virus (A/canine/Guangdong/1/2006(H3N2)), H, HA

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (336aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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determination, and mediates the penetration of virus into the cytoplasm by mediating the fusion of endosomal membrane and membrane. Recombinant Influenza A virus (H3N2, canine) HA protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>NLPGNEN NAATLCLGHH AVPNGTIVKT ITDDQIEVTN ATELVQNSST GKICNNPHKI LDGRDCTLID ALLGDPHCDV FQNETWDLFV ERSNAFSNCY PYDVPDYASL RSIVASSGTL EFITEGFTWA GVTQNGGSGA CKRGPANGFF SRLNWLTKSG NTYPVLNVMT PNNNNFDKLY IWGVHHPSTN QEQTSLYIQA SGRVTVSTRR SQQTIIIPNIG SRPLVRGQSG RISVYWTIVK PGDVLVINSN GNLIAPRGYF KMRIGKSSIM RSDAPIDTCI SECITPNGSI PNEKPFQNVN KITYGACPKY VKQNTLKLAT GMRNVPEKQT <HHHHHH>

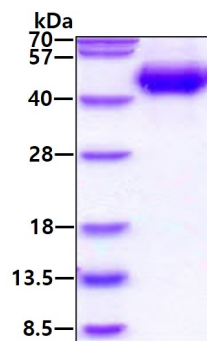
General References

Rene Gramer., et al. (2007) Can J Vet Res. 71:201-206.

Blanton., et al. (2017) MMWR Morb Mortal Wkly. 66:1043-1051.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.