

Recombinant Influenza A H3N2 Hemagglutinin/HA1 protein

Catalog Number: ATGP1481

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

17-345aa

UniProt No.

C6KNH7

NCBI Accession No.

ACS71642.1

Alternative Names

Hemagglutinin, Influenza A virus (A/Perth/16/2009(H3N2)) hemagglutinin, HA

PRODUCT SPECIFICATION

Molecular Weight

37.8 kDa (339aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) 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

Influenza A virus H3N2 is a subtype of viruses that cause influenza (flu). H3N2 viruses can infect birds and mammals. In birds, humans, and pigs, the virus has mutated into many strains. Hemagglutinin (HA) binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. It plays a major role in the determination of host range restriction and virulence and is responsible for

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penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. Recombinant Influenza A virus (A/Perth/16/2009 H3N2) HA protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

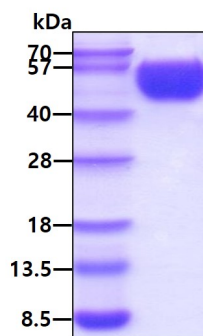
<ADPM>QKLPGN DNSTATLCLG HHAVPNGTIV KTTINDQIEV TNATELVQSS STGEICDSPH QILDGKNCTL IDALLGDPQC DGFQNKKDWL FVERSKAYSN CYPYDVPDYA SLRSLVASSG TLEFNNEFN WTGVTQNGTS SACIRRSKNS FFSRLNWLTH LNFKYPALNV TMPNNEQFDK LYIWGVHHPG TDKDQIFLYA QASGRITVST KRSQQTVSPN IGSRPRVRNI PSRISYWTI VKPGDILLIN STGNLIAPRG YFKIRSGKSS IMRSDAFIGK CNSECITPNG SIPNDKPFQN VNRITYGACP RYVKQNTLKL ATGMRNVPEK QTR<HHHHHH>

General References

Alymova IV., et al. (2011) J Virol. 85(23):12324-33.
Cappuccio JA., et al. (2011) J Gen Virol. 92(12):2871-8.

DATA

SDS-PAGE



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