Datasheet for ABIN7596379

Hemagglutinin Protein (HA) (AA 19-339) (His tag)

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Overview

Quantity:	500 µg
Target:	Hemagglutinin (HA)
Protein Characteristics:	AA 19-339
Origin:	Influenza A Virus
Virus Strain:	A/Anhui/1-BALF_RG45/2013
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hemagglutinin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	DKICLGH HAVSNGTKVN TLTERGVEVV NATETVERTN IPRICSKGKR TVDLGQCGLL GTITGPPQCD QFLEFSADLI IERREGSDVC YPGKFVNEEA LRQILRESGG IDKEAMGFTY SGIRTNGATS ACRRSGSSFY AEMKWLLSNT DNAAFPQMTK SYKNTRKSPA LIVWGIHHSV STAEQTKLYG SGNKLVTVGS SNYQQSFVPS PGARPQVNGL SGRIDFHWLM LNPNDTVTFS FNGAFIAPDR ASFLRGKSMG IQSGVQVDAN CEGDCYHSGG TIISNLPFQN IDSRAVGKCP RYVKQRSLLL ATGMKNVPEI PKGR
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	Hemagglutinin (HA)
Alternative Name:	H7N9 Hemagglutinin/HA1 (HA Products)
Target Type:	Influenza Protein
Background:	H7N9/HA (hemaggulutinin1) belongs to the influenza viruses hemagglutinin family. Influenza A virus subtype H7N9 (A/H7N9) is a bird flu strain of the species Influenza virus A Influenza and Influenza hemagglutinin (HA) or haemagglutinin is a type of hemagglutinin found on the surface of the influenza viruses. An H7N9 virus was first reported to have infected humans in March 2013, in China. The CDC estimates that the H7N9 virus has the greatest potential compared with other influenza A viruses to cause a pandemic, although the risk is low, because like other type A viruses, it is not easily transmitted between people in its current form. H7N9/HA is an antigenic glycoprotein and is responsible for binding the virus to the cell that is being infected. HA protein has two functions. Firstly, it allows the recognition of target vertebrate cells, accomplished through the binding of these cells' sialic acid-containing receptors. Secondly, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of host endosomal membrane with the viral membrane. Recombinant Influenza A virus (A/Anhui/1-BALF_RG45/2013(H7N9)) HA1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	36 kDa (330aa)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.