Influenza A H5N1 (A/Anhui/1/2005) Hemagglutinin / HA Protein (His Tag)

Catalog Number: **11048-V08B**

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General Information

Gene Name Synonym:

C-BAS/HAS; C-H-RAS; C-HA-RAS1; CTLO; H-RASIDX; HAMSV; Hemagglutinin; HRAS1; influenza HA; p21ras; RASH1; AF093576; AI451697; ha; ihj; nmf4; sph; Spna-1; Spna1

Protein Construction:

A DNA sequence encoding the extracellular domain of Influenza A virus (A/Anhui/1/2005(H5N1) (ABD28180.1) hemagglutinin (Met 1-Gln 527,Ala 150Val) with cleavage site mutated (RERRRKR→TETR, HA1+HA2, uncleaved) was expressed with the bacteriophage T4 fibritin and a polyhistidine tag at the C-terminus.

Source: H5N1

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Asp 17

Molecular Mass:

The secreted recombinant hemagglutinin of Influenza A virus (A/Anhui/1/2005(H5N1) comprises 557 amino acids with the predicted molecular mass of 63 kDa. As a result of glycosylation, it migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions.This recombinant HA proteins are polymers based on HPLC analysis (data not shown).

Formulation:

Lyophilized from sterile 20mM Tris, 500 mM NaCl, 10% glycerol, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:

