Influenza A H5N1 (A/Egypt/N05056/2009) Hemagglutinin / HA Protein (His Tag)

Catalog Number: **11702-V08H**

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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 (Met 1-Gln 530) of the influenza A H5N1 hemagglutinin (A/Egypt/N05056/2009 (H5N1)) (ACT15357.1) (HA1+HA2, uncleaved, cleavage site mutated (RRRKKR-TETR) was expressed, fused with a C-terminal polyhistidine tag.

Source: H5N1

Expression Host: Human Cells

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to agglutinate human red blood cells. HA titer is 4-20 μg/mL for 1% HRBC.

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 influenza A H5N1 HA (A/Egypt/N05056/2009 (H5N1)) comprises 523 amino acids and has a predicted molecular mass of 59.7 kDa. As a result of glycosylation, it migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, 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:

