Influenza A H7N9 (A/Hangzhou/3/2013) Hemagglutinin / HA Protein (His Tag)

Catalog Number: **40123-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 Influenza A virus (A/Hangzhou/3/2013(H7N9)) hemagglutinin (EPI442713) (Met1-Val524) was expressed with a C-terminal polyhistidine tag.

Source: H7N9

Expression Host: Baculovirus-Insect cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

1. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 2-10 ng/mL for 1% GRBC. It also agglutinates chick red blood cells. 2. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 3. Measured by its ability to bind with Neu5Aca2-6GalNAca-PAA-biotin (01-059) using the Octet RED System.

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 19

Molecular Mass:

The recombinant hemagglutinin of Influenza A virus (A/Hangzhou/3/2013(H7N9)) comprises 517 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the protein is approximately 58 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM, Tris 500mM 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:

