Influenza A H1N1 (A/California/06/2009) Hemagglutinin / HA Protein (His Tag)

Catalog Number: **40350-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/California/06/2009) hemagglutinin (ACP41935.1) (Met1-Gln529), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

Source: H1N1

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 1-4μg/mL for 1%GRBC

Endotoxin:

< 1.0 EU per μg 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 18

Molecular Mass:

The recombinant hemagglutinin of Influenza A virus (A/California/06/2009) consists 523 amino acids and predicts a molecular mass of 58.9 kDa.

Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0.

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:

