Influenza A H1N1 (A/USSR/90/77) Hemagglutinin / HA Protein (His Tag)

Catalog Number: 40134-V08B

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Biological Solution Specialist

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/USSR/90/77(H1N1)) hemagglutinin (P03453.2) (Met1-Gln529) was expressed with a C-terminal polyhistidine tag.

Source: H1N1

Expression Host: Baculovirus-Insect cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.01-0.04 μg/mL for 1% GRBC.

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 18

Molecular Mass:

The recombinant hemagglutinin of Influenza A virus (A/USSR/90/1977(H1N1))comprises 523 amino acids and has a predicted molecular mass of 59.4 kDa. The apparent molecular mass of the protein is approximately 65.3 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.5.

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:

