

Influenza A H7N7 (A/equine/Kentucky/1a/1975) Hemagglutinin / HA Protein (His Tag)

Catalog Number: 40171-V08B



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

C-BAS/HAS; C-H-RAS; C-HA-RAS1; CTLO; H-RASIDX; HAMSU;
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/equine/Kentucky/1a/1975(H7N7)) hemagglutinin (ACL12085.1) (Met1-Ile534) was expressed with a C-terminal polyhistidine tag.

Source: H7N7

Expression Host: Baculovirus-Insect cells

QC Testing

Purity: > 85 % 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 bind with Neu5Aca2-6GalNAca-PAA-biotin (01-059) using the Octet RED System. 3. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.1-0.4 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 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant hemagglutinin of Influenza A virus (A/equine/Kentucky/1a/1975(H7N7)) comprises 545 amino acids and has a predicted molecular mass of 61.6 kDa. The apparent molecular mass of the protein is approximately 63.3 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.0.

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:

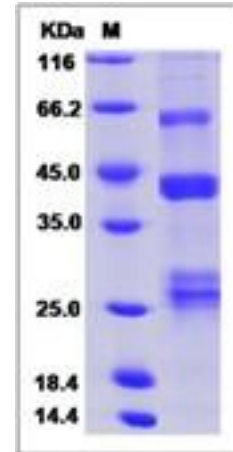
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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