

H7N7 HA (His Tag) recombinant protein



Catalog Number: 503831

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of Influenza A virus (A/Netherlands/219/03 (H7N7)) (AAR02640.1) hemagglutinin (Met 8-Phe 544) (Native, HA1+HA2) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

H7N7

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

1. Measured by its ability to agglutinate guinea pig red blood cells.
HA titer is 0.05-0.3 μ g/ml for 1% GRBC
2. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.

Purity

> 87 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g 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

Asp 26

Molecular Mass

The secreted recombinant hemagglutinin of influenza A virus (A/Netherlands/219/03 (H7N7)) comprises 530 amino acids and has a predicted molecular mass of 59 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

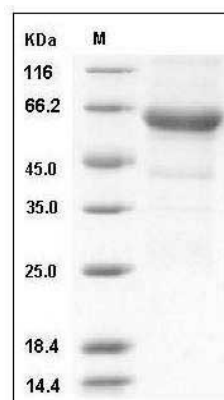
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Influenza A H7N7 (A/Netherlands/219/03)
Hemagglutinin / HA Protein (His Tag) SDS-PAGE