

H7N7 HA (His Tag) recombinant protein



Catalog Number: 504177

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of Influenza A virus (A/chicken/Netherlands/1/03 (H7N7)) (AAR02639.1) 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 in hemagglutination test using 1% chicken erythrocyte. The HA titer is 0.1-0.5 $\mu\text{g/ml}$ for 1% CRBC.
2. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System.

Purity

> 80 % as determined by SDS-PAGE

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

Asp 26

Molecular Mass

The secreted recombinant hemagglutinin of Influenza A virus (A/chicken/Netherlands/1/03 (H7N7)) comprises 530 amino acids and has a calculated molecular mass of 59.4 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

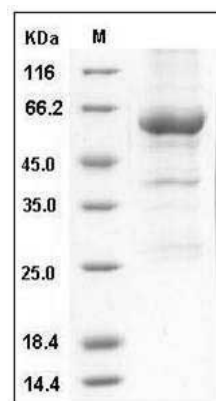
Storage

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/chicken/Netherlands/1/03) Hemagglutinin / HA Protein (His Tag) SDS-PAGE