

H5N1 HA (His Tag) recombinant protein



Catalog Number: 500102

General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/bar-headed goose/Qinghai/1A/2005(H5N1)) hemagglutinin (ABF93441.1) (Met1-Gln527), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

Organism

H5N1

Expression Host

Baculovirus-Insect Cells

QC Testing

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 0.1-0.6 $\mu\text{g}/\text{mL}$ for 1% GRBC.

Purity

> 95 % as determined by SDS-PAGE.

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°C

Predicted N terminal

Asp 17

Molecular Mass

The recombinant HA subunit of iInfluenza A virus (A/bar-headed goose/Qinghai/1A/2005(H5N1)) consists 522 amino acids and predicts a molecular mass of 59.6 kDa.

Formulation

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

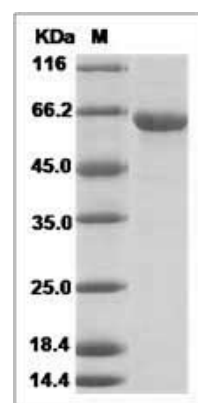
Storage

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 H5N1 (A/bar-headed goose/Qinghai/1A/2005) Hemagglutinin / HA Protein (His Tag) SDS-PAGE