

H5N8 HA (His Tag) recombinant protein



Catalog Number: 503472

General Information

Gene Name Synonym

Hemagglutinin HA1 chain; Hemagglutinin HA2 chain

Protein Construction

A DNA sequence encoding the Influenza A virus (A/turkey/Ireland/1378/1983(H5N8)) hemagglutinin (ABI85117.1) (Met1-Gln527), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

Organism

H5N8

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 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 4-16 µg/mL for 1% GRBC.

Purity

> 90 % 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 the Influenza A virus (A/turkey/Ireland/1378/1983(H5N8)) consists 522 amino acids and predicts a molecular mass of 59.4 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

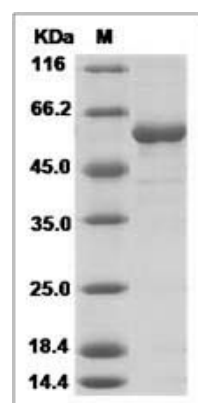
Storage

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



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Influenza A H5N8 (A/turkey/Ireland/1378/1983)

Hemagglutinin Protein (HA2 Subunit) (His Tag)
SDS-PAGE