H5N1 HA (28 Ser/Trp, His Tag) recombinant protein

Catalog Number: 501498

General Information

Protein Construction

A DNA sequence encoding the N-terminal segment (Met 1-Glu 340) of the influenza A H5N1 hemagglutinin (A/Hong kong/213/2003 (H5N1)) (ABP51975.1), termed as HA1, was fused with a C-terminal polyhistidine tag, with one amino acid mutated (28 Ser / Trp).

Organism

H5N1

Expression Host

Human Cells

QC Testing

Purity

> 97 % 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℃

Predicted N terminal

Asp 17

Molecular Mass

The secreted recombinant HA1 subunit of influenza A H5N1 HA (A/Hong kong/213/03 (H5N1)) comprises 335 amino acids and has a predicted molecular mass of 38 kDa. As a result of glycosylation, it migrates as an approximately 45-50 kDa band 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

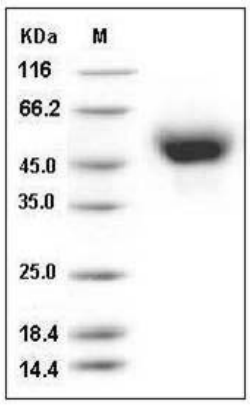
Storage

Store it under sterile conditions at -20℃ to -80℃. 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/Hong kong/213/03) Hemagglutinin Protein (HA1 Subunit) (28 Ser/Trp, His Tag) SDS-PAGE