

H5N1 HA (His Tag) recombinant protein



Catalog Number: 503437

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 531) of the influenza A Hemagglutinin (A/duck/Hunan/795/2002 (H5N1)) (ACA47835.1) (HA1+HA2, uncleaved, with the cleavage site mutated (RRRKKR-TETR)) was expressed, fused with a C-terminal polyhistidine tag.

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°C

Predicted N terminal

Asp 17

Molecular Mass

The secreted recombinant influenza A H5N1 HA

(A/duck/Hunan/795/2002 (H5N1)) comprises 524 amino acids and has a predicted molecular mass of 60 kDa. As a result of glycosylation, it migrates as an approximately 65-75 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

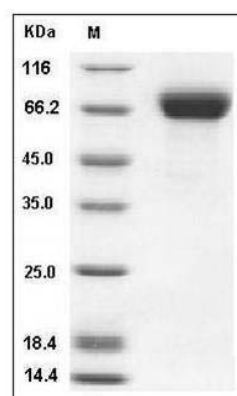
Storage

Store it under sterile conditions at -20°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/duck/Hunan/795/2002) Hemagglutinin / HA Protein (His Tag) SDS-PAGE