

H5N1 HA (His Tag) recombinant protein



Catalog Number: 503490

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of Influenza A virus (A/Indonesia/5/2005 (H5N1)) (ABW06108.1) hemagglutinin (Met 1-Gln 531) (Native, HA1+HA2, cleaved) was expressed with a C-terminal polyhistidine tag.

Organism

H5N1

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to agglutinate guinea pig red blood cells.

HA titer is 0.3-1.5 $\mu\text{g}/\text{mL}$ for 1% GRBC.

It also agglutinates chick red blood cells.

Purity

> 95 % 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 hemagglutinin of Influenza A virus H5N1 (A/Indonesia/5/2005) comprises 526 amino acids with the predicted molecular mass of 60 kDa. As a result of glycosylation, it migrates as an approximately 65-70 kDa band in Non-reduced SDS-PAGE, and three bands (25, 45, 70 kDa) in reduced SDS-PAGE.

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

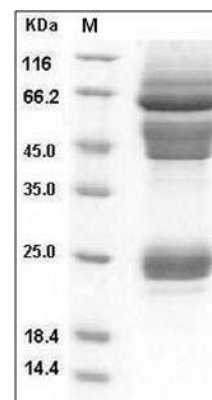
Store it under sterile conditions at -20°C to -80°C .

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/Indonesia/5/2005)

Hemagglutinin / HA Protein (His Tag) SDS-PAGE