

H3N2 HA (His Tag) recombinant protein



Catalog Number: 503856

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Trp 530) of the influenza A H3N2 hemagglutinin (A/Wyoming/03/2003 (H3N2)) (ABX10525.1) (HA1+HA2, uncleaved) was expressed, fused with a C-terminal polyhistidine tag.

Organism

H3N2

Expression Host

Human Cells

QC Testing

Activity

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

HA titer is 4-20 µg/mL for 1% GRBC.

Purity

> 92 % 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

Gln 17

Molecular Mass

The secreted recombinant influenza A H3N2 HA (A/Wyoming/03/2003 (H3N2)) comprises 525 amino acids and has a predicted molecular mass of 59 kDa. As a result of glycosylation, it migrates as an approximately 80-90 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

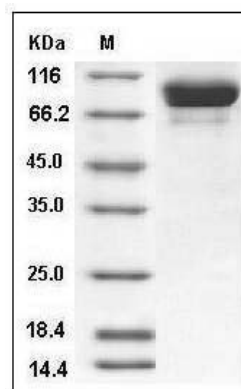
Store it under sterile conditions at -20°C to -80°C.

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 H3N2 (A/Wyoming/03/2003)

Hemagglutinin / HA Protein (His Tag) SDS-PAGE