

H1N1 HA (His Tag) recombinant protein



Catalog Number: 504226

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of Influenza A virus (A/California/04/2009 (H1N1)) hemagglutinin (ACP41105.1) (Met 1-Gln 529) with cleavage site mutated (IQS?RQRRRK, HA1+HA2, partially cleaved) was expressed, with a C-terminal polyhistidine tag.

Organism

H1N1

Expression Host

Human Cells

QC Testing

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

Asp 18

Molecular Mass

The secreted recombinant Influenza A virus (A/California/04/2009 (H1N1)) HA (mutated) comprises 527 amino acids and predicts a molecular mass of 60 kDa. As a result of

glycosylation and proteolysis, the apparent molecular mass of the hemagglutinin is approximately 25-30, 50-55 and 80-85 kDa in SDS-PAGE under reducing conditions, corresponding to the HA2, HA1 subunit and the full length HA respectively.

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

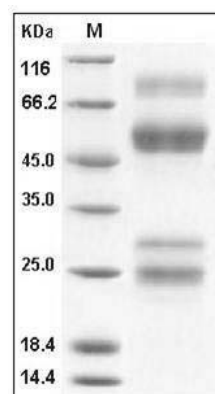
Storage

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 H1N1 (A/California/04/2009) Hemagglutinin / HA Protein (His Tag) SDS-PAGE