

General Information

Protein Construction

A DNA sequence encoding the influenza A H1N1 Virus (A/Puerto Rico/8/34/Mount Sinai) M1 protein (NP_040978.1) (Ser 2-Lys 252) was expressed, with a polyhistidine tag at the N-terminus.

Organism

H1N1

Expression Host

E. coli

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant influenza A H1N1 Virus (A/Puerto Rico/8/34/Mount Sinai) M11 protein comprises 262 amino acids and has a predicted molecular mass of 29.3 kDa. It migrates as an approximately 29 kDa band in SDS-PAGE under

reducing conditions.

Formulation

Lyophilized from sterile 20mM tris, 0.5mM DTT, 0.5mM EDTA, 5% glycerol, 50mM NaCl, pH 7.6

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

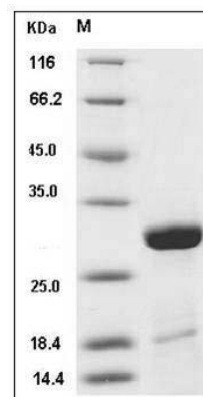
Storage

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/Puerto Rico/8/34/Mount Sinai) Matrix protein 1 / M1 Protein (His Tag) SDS-PAGE