

# H1N3 HA (His Tag) recombinant protein



Catalog Number: 503415

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 529) of the influenza A Hemagglutinin (A/duck/NZL/160/1976 (H1N3)) (ABB20429.1) (HA1+HA2, uncleaved) was expressed, fused with a C-terminal polyhistidine tag.

### Organism

H1N3

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to agglutinate human red blood cells.

HA titer is 10-40 µg/mL for 1% HRBC.

### 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 18

## Molecular Mass

The recombinant influenza A H1N3 (A/duck/NZL/160/1976 (H1N3)) HA comprises 523 amino acids and has a predicted molecular mass of 59 kDa.

## 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

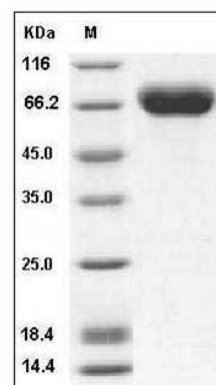
Store it under sterile conditions at -20°C to -80°C.

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 H1N3 (A/duck/NZL/160/1976)  
Hemagglutinin / HA Protein (His Tag)