

# H1N1 Neuraminidase (Fc Tag) recombinant protein



Catalog Number: 504017

## General Information

### Protein Construction

A DNA sequence encoding the mature form of Influenza A virus H1N1 (A/California/04/2009) neuraminidase (ACP41107.1) (His 36-Lys 469) was expressed with the fused Fc region of human IgG1 at the N-terminus linked by a peptide linker.

### Organism

H1N1

### Expression Host

Human Cells

## QC Testing

### Activity

Inactive

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Glu 20

### Molecular Mass

The secreted recombinant neuraminidase (A/California/04/2009 (H1N1))/Fc chimera is a

disulfide-linked homodimer. The reduced monomer comprises 692 amino acids with the predicted molecular mass of 76 kDa. As a result of glycosylation, it migrates as an approximately 95-105 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

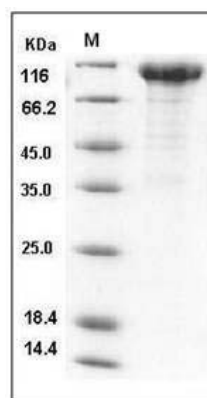
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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) Neuraminidase / NA (Fc Tag) SDS-PAGE