

## Active Recombinant Influenza A H1N1 Neuraminidase / NA (H275Y) NA protein

Cat. No. NA-0387H Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant Influenza A H1N1 Neuraminidase / NA (H275Y) NA protein(His36-Lys469)(ACP41107.1) was expressed in HEK293.

#### Species

Influenza A H1N1 Neuraminidase / NA (H275Y)

#### Source

HEK293

#### ProteinLength

His36-Lys469

#### Form

Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4. Please contact us for any concerns or special requirements. Normally 5% - 8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.

#### Bio-activity

Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)- $\alpha$ -D-N-acetylneuraminic acid. The specific activity is > 200 U. One unit is defined as the amount of enzyme required to cleave 1 nmole of 2'-(4-Methylumbelliferyl)- $\alpha$ -D-N-acetylneuraminic acid per minute at pH 7.5 at 37°C.

#### Molecular Mass

The recombinant influenza A H1N1 Neuraminidase comprises 434 amino acids and has a predicted molecular mass of 47.8 kDa.

#### Endotoxin

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

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**Storage**

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
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**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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