

## Active Recombinant Influenza A virus NA(H275Y) protein

Cat. No. NA-12I Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Influenza A virus NA(H275Y) protein(ACP41107.1) (His 36-Lys 469) was expressed, the cell lysates are collected, and bio-activity was tested. There is an amino acid change from Histidine to Tyrosine (H275Y) in NA / Neuraminidase.
<b>Species</b>	Influenza A virus
<b>Source</b>	HEK293
<b>ProteinLength</b>	His 36-Lys 469
<b>Form</b>	Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	The recombinant influenza A H1N1 Neuraminidase comprises 434 amino acids and has a predicted molecular mass of 47.8 kDa.
<b>Endotoxin</b>	< 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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