

## Active Recombinant Influenza A H1N1 (A/USSR/90/1977) NA protein(Met1-Lys470)

Cat. No. NA-3400H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Influenza virus A (A/USSR/90/1977)(H1N1)) Neuraminidase (P03469.2) (Met1-Lys470), termed as NA, was expressed in HEK293.
<b>Species</b>	H1N1
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys470
<b>Form</b>	Lyophilized from sterile PBS, 1%Triton X-100 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 > 150 U. The specific activity is > 1 500 U.
<b>Molecular Mass</b>	The recombinant Influenza virus A (A/USSR/90/1977)(H1N1)) Neuraminidase consists of 470 amino acids and predicts a molecular mass of 51.9 kDa.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g protein as determined by the LAL method.
<b>Storage</b>	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.

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**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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