Active Recombinant Influenza A H3N2 Neuraminidase / NA (N294S mutation) NA protein(His36-Pro459)

Cat. No. NA-3408V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Babol/36/2005 (H3N2)) neuraminidase (ACN50232.1) (His 36-Pro 459) was expressed in HEK293, the cell lysates are collected, and bio-activity was tested. There is an amino acid change from Asparagine to Serine (N294S mutation) in NA / Neuraminidase.
Species	H3N2
Source	HEK293
ProteinLength	His36-Pro459
Form	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.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)-α-D-N-acetylneuraminic acid.The specific activity is > 80 U. The specific activity is > 500 U. The specific activity is > 800 U. One unit is defined as the amount of enzyme required to cleave 1 nmole of 2'-(4-Methylumbelliferyl)-α-D-N-acetylneuraminic acid per minute at pH 7.5 at 37°C.
Molecular Mass	The influenza H3N2 virus Neuraminidase comprises 424 amino acids.
Endotoxin	< 1.0 EU per

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	μg of the protein as determined by the LAL method
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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