Recombinant H1N1 Neuraminidase Protein(Active)

Cat. No. NA-484H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant H1N1 neuraminidase (ACP41107.1) (His36-Lys469) was expressed, the cell lysates are collected, and bio-activity was tested.
Species	H1N1
Source	HEK293
ProteinLength	His 36-Lys 469
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 > 100 U. The specific activity is > 200 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 recombinant influenza A H1N1 Neuraminidase comprises 434 amino acids and has a predicted molecular mass of 47.8 KDa.
Endotoxin	< 1.0 EU per μg 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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