

Active Recombinant Influenza A H1N1 (A/California/04/2009) NA protein, N/A-tagged

Cat. No. NA-562H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H1N1 (A/California/04/2009) NA protein(ACP41107.1)(His36-Lys469) was expressed in HEK293.
Species	H1N1
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)- 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 μ 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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