

Recombinant Influenza A H1N1 (A/Puerto Rico/8/34/Mount Sinai) NP protein(Met1-Asn498), His-tagged

Cat. No. NP-2415H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Puerto Rico/8/34/Mount Sinai (H1N1)) Nucleoprotein / NP (AAM75159.1) (Met1-Asn498) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	H1N1
Source	Insect Cells
ProteinLength	Met1-Asn498
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10%glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Influenza A virus (A/Puerto Rico/8/34/Mount Sinai (H1N1))Nucleoprotein / NP comprises 509 amino acids and has a predicted molecular mass of 57.66 kDa. It migrates as an approximately 54.4 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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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