Recombinant Influenza A H1N1 (A/Puerto Rico/8/34/Mount Sinai) NP protein(Met1-Gly490, Ile 116 Met), His-tagged

Cat. No. NP-716V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Puerto Rico/8/34/Mount Sinai (H1N1)) nucleoprotein (AAM75159.1, with mutation Ile 116 Met) (Met1-Gly490) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	H1N1
Source	Insect Cells
ProteinLength	Met1-Gly490, Ile 116 Met
Form	Lyophilized from sterile 60mM Tris, 500mM NaCl, 10%glycerol, pH 7.8. 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 comprises 501 amino acids and has a predicted molecular mass of 56.7 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % 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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