# Recombinant H1N1 NP, His-tagged

**Cat. No.** NP-417H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | A DNA sequence encoding the Influenza A virus (A/Brevig Mission/1/1918(H1N1)) nucleoprotein (Q5UEW0.1) (Met1-Asn498) was expressed with a C-terminal polyhistidine tag. |
| **Species** | H1N1 |
| **Source** | Insect Cells |
| **ProteinLength** | Met1-Asn498 |
| **Form** | Lyophilized from sterile PBS, pH7.4. |
| **Molecular Mass** | The recombinant nucleoprotein of Influenza A virus (A/Brevig Mission/1/1918(H1N1)) comprises 509 amino acids and has a predicted molecular mass of 57.7 kDa. The apparent molecular mass of the protein is approximately 56.6 kDa 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 |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Storage** | Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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| **Reconstitution** | Hardcopy of COA with reconstitution instruction is sent along with the products. |

## GENE INFORMATION

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| **Gene Name** | NP?nucleocapsid protein [?Influenza A virus (A/Puerto Rico/8/1934(H1N1))] |
| **Official Symbol** | NP |
| **Synonyms** | NP; nucleocapsid protein |
| **Gene ID** | 956531 |
| **Protein Refseq** | NP_040982 |
| **Chromosome Location** | segment: segment 5 |
| **Pathway** | Assembly of Viral Components at the Budding Site; Entry of Influenza Virion into Host Cell via Endocytosis; Fusion and Uncoating of the Influenza Virion |

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