General Information

Gene Name Synonym:
NP

Protein Construction:
A DNA sequence encoding the Influenza A virus (A/Shanghai/2/2013(H7N9)) nucleoprotein protein (AGL44439.1) (Met1-Asn498) was expressed with a C-terminal polyhistidine tag.

Source: H7N9
Expression Host: Baculovirus-Insect Cells

QC Testing
Purity: > 95 % as determined by SDS-PAGE
Endotoxin:
< 1.0 EU per µg of the protein as determined by the LAL method

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:
The recombinant nucleoprotein protein of Influenza A virus (A/Shanghai/1/2013(H7N9)) comprises 509 amino acids and has a predicted molecular mass of 57.8 kDa. The apparent molecular mass of the protein is approximately 57 kDa in SDS-PAGE under reducing conditions.

Formulation:
Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10% glycerol, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.