Influenza A H1N1 (A/Wisconsin/67/2022) Neuraminidase / NA Protein (ECD, His Tag)

Catalog Number: 40941-V08B

Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

NA

Protein Construction:

A DNA sequence encoding the Influenza A virus (A/Wisconsin/67/2022 (H1N1)) Neuraminidase / NA (EPI2224787) (Ile30-Asn469) was expressed with a vasodilator-stimulated phosphoprotein tetramerization domain at the N-terminus and a polyhistidine tag at the C-terminus.

Source: H1N1

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: ≥ 90 % as determined by SDS-PAGE.

Bio Activity:

Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)-α-D-N-acetylneuraminic acid.

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 ℃

Predicted N terminal: Asp

Molecular Mass:

The recombinant NA subunit of the Influenza A virus (A/Wisconsin/67/2022(H1N1)) consists 486 amino acids and predicts a molecular mass of 54.34 kDa. It migrates as an approximately 60.9 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 300mM NaCl, 10% Glycerol, pH 8.0.

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℃ to -80℃ 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.

SDS-PAGE:

