Influenza A H3N2 (A/Thailand/8/2022) Neuraminidase/NA Protein (ECD, His Tag)

Catalog Number: 41001-V08B

Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

NA

Protein Construction:

A DNA sequence encoding the Influenza A virus (A/Thailand/8/2022 (H3N2) Neuraminidase / NA (translated amino acids of EPI2178976) (Ile30-Thr469) with a vasodilator-stimulated phosphoprotein tetramerization domain at the N-terminus.

Source: H3N2

Expression Host: Baculovirus-Insect Cells

QC Testing

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

Bio Activity:

1.Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)-α-D-N-acetylneuraminic acid.
2.Immobilized Recombinant Influenza A H3N2 Neuraminidase/NA Protein (ECD, His Tag) (Cat: 41001-V08B) at 1 μg/mL (100 μL/well) can bind Anti-Influenza NA (Research Grade Clone 1G01), the EC50 is 6-18 ng/mL (QC tested).

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Predicted N terminal: Asp

Molecular Mass:

The recombinant Influenza A H3N2 (A/Thailand/8/2022) Neuraminidase consists of 486 amino acids and predicts a molecular mass of 54.67 kDa. It migrates as an approximately 59.6 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20 mM Tris, 300 mM NaCl, 10% Gly, pH 8.5.

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

Usage Guide

Stability & Storage:
Samples are stable for twelve months from date of receipt at -20℃ to -80℃.

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:

