

H3N2 Neuraminidase (Active) recombinant protein



Catalog Number: 500433

General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/Babol/36/2005 (H3N2)) neuraminidase (ACN50232.1) (His 36-Pro 459) was expressed, the cell lysates are collected, and bio-activity was tested. There is an amino acid change from Arginine to Lysine (R292K mutation) in NA / Neuraminidase.

Organism

H3N2

Expression Host

Human Cells

QC Testing

Activity

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

The specific activity is > 50 U

One unit is defined as the amount of enzyme required to cleave 1 nmole of 2'-(4-Methylumbelliferyl)- α -D-N-acetylneuraminic acid per minute at pH 7.5 at 37°C.

Endotoxin

< 1.0 EU per μ g 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

Molecular Mass

The influenza H3N2 virus Neuraminidase comprises 443 amino acids.

Formulation

Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

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 1 ml sterile water be added to the vial to prepare a stock solution.