H7N7 Neuraminidase (Active) recombinant protein

Catalog Number: 504494

General Information

Protein Construction

A DNA sequence encoding the Influenza A virus (A/Netherlands/219/03 (H7N7)) Neuraminidase (Met1-Ser471) was expressed, the cell lysates are collected, and bio-activity was tested.

Organism

H7N7

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 > 100 U
The specific activity is > 1000 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℃.

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℃

Molecular Mass

The recombinant influenza A H7N7 Neuraminidase comprises 471 amino acids and has a predicted molecular mass of 51.8kDa.

Formulation

Lyophilized from sterile PBS, 187mM NaCl, 2.7mM KCl, 10mM Na2HPO4, 1.8mM KH2PO4, 1%TritonX-100, 6%trehalose, 5.3%manicol, 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℃ to -80℃. 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.