

General Information

Protein Construction

A DNA sequence encoding Influenza virus A (A/USSR/90/1977)(H1N1) Neuraminidase (P03469.2) (Met1-Lys470), termed as NA, was expressed.

Organism

H1N1

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 > 150 U.

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Endotoxin

< 1.0 EU per μ g 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 recombinant Influenza virus A (A/USSR/90/1977)(H1N1) Neuraminidase consists of 439 amino acids and predicts a molecular mass of 48.6 kDa.

Formulation

Lyophilized from sterile PBS, 1% Triton X-100 PH 7.4

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

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.