

# H4N6 Neuraminidase (Active) recombinant protein



Catalog Number: 503669

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## General Information

### Protein Construction

A DNA sequence encoding the influenza A virus (A/mallard/Ohio/657/2002(H4N6)) neuraminidase (ABI47998.1) (Met1-Lys470) was expressed, the cell lysates are collected, and bio-activity was tested.

### Organism

H4N6

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)- $\alpha$ -D-N-acetylneuraminic acid The specific activity is > 100 U

The specific activity is > 1500 U

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

### Endotoxin

<1.0 EU per  $\mu$ 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 A virus (A/mallard/Ohio/657/2002(H4N6)) neuraminidase comprises 435 amino acids and has a predicted molecular mass of 48.1 kDa.

## Formulation

Lyophilized from sterile PBS, 1% Triton X-100 pH 7.4, 5% Trehalose, 5% mannitol, 0.01% Tween-80.

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.