

C.perfringens C. Perfringens Neuraminidase / NA (His Tag) recombinant protein



Catalog Number: 504564

General Information

Protein Construction

A DNA sequence encoding the C. Perfringens neuraminidase (P10481.1) (Cys 2-Gln 382) was expressed, with a N-terminal polyhistidine tag.

Organism

C.perfringens

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)- α -D-N-acetylneuraminic acid. The specific activity is 150,000 pmoles/min/ μ g (Activity of this protein is much better than world's famous brand) as measured under the described conditions.

Purity

> 97 % as determined by SDS-PAGE

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

Predicted N terminal

Met

Molecular Mass

The recombinant C. Perfringens neuraminidase consisting of 388 amino acids and has a calculated molecular mass of 43.6 kDa. It migrates as an approximately 40 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, 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

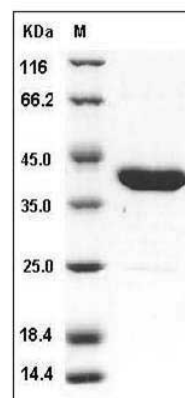
Storage

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

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

SDS-PAGE



C. Perfringens Neuraminidase / NA (Active) (His Tag) SDS-PAGE