

M.viridifaciens M. viridifaciens NA (His Tag) recombinant protein



Catalog Number: 502472

General Information

Gene Name Synonym

Neuraminidase

Protein Construction

A DNA sequence encoding the M.viridifaciens neuraminidase (BAA00852.1) (Pro 42-Gly 403) was expressed, with a N-terminal polyhistidine tag.

Organism

M.viridifaciens

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 10,000 pmoles/min/ μ g. 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 1

Molecular Mass

The recombinant M.viridifaciens neuraminidase consisting of 369 amino acids and has a calculated molecular mass of 39.7 kDa as estimated in SDS-PAGE under reducing conditions as predicted.

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

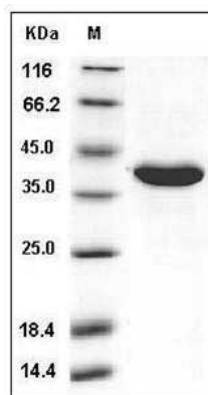
Storage

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



M. viridifaciens Neuraminidase / Sialidase (Active)
(His Tag) SDS-PAGE