

# Active Recombinant *M.viridifaciens* neuraminidase NA Protein, His-tagged

Cat. No. NA-474M Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant <i>M.viridifaciens</i> neuraminidase (BAA00852.1) (Pro42-Gly403) was expressed, with a N-terminal polyhistidine tag
<b>Species</b>	<i>M.viridifaciens</i>
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro42-Gly403
<b>Predicted N Terminal</b>	Met 1
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)- $\alpha$ -D-N-acetylneuraminic acid. The specific activity is 10,000 pmoles/min/ $\mu$ g. as measured under the described conditions.
<b>Molecular Mass</b>	The recombinant <i>M.viridifaciens</i> 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.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method

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**Purity** > 97 % as determined by SDS-PAGE

**Storage** Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Official Symbol** NA

**Synonyms** neuraminidase; NA Protein

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