

Neuraminidase Protein, M.viridifaciens, Recombinant (His)

General Information

Synonyms:	NP Protein
Protein Construction:	A DNA sequence encoding the M.viridifaciens neuraminidase (BAA00852.1) (Pro 42-Gly 403) was expressed, with a N-terminal polyhistidine tag. Predicted N terminal: Met 1
Species:	M.viridifaciens
Expression Host:	E. coli
Accession:	Q02834
Molecular Weight:	39.7 kDa (predicted); 39.7 kDa (reducing conditions)

QC Testing

Biological 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/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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