

Active Recombinant C.perfringens NA protein, His-tagged

Cat. No. NA-862C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant C.perfringens NA protein(P10481.1) (Cys 2-Gln 382) was expressed in E.coli, with a N-terminal polyhistidine tag.
Species	C.perfringens
Source	E.coli
ProteinLength	2-382 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-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.
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.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities 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.

SDS-PAGE

