

Active Recombinant Clostridium perfringens α 2-3,6-Neuraminidase

Cat. No. Neuraminidase-014C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant, Clostridium perfringens α 2-3,6-Neuraminidase expressed in E. coli. Catalyzes the hydrolysis of non-reducing terminal α 2,3 and α 2,6 unbranched sialic acid residues from complex carbohydrates and glycoproteins. This enzyme does not exhibit activity on α 2,8 or branched sialic acids.
Species	Clostridium perfringens
Source	E.coli
Form	Liquid
CAS Number	9001-67-6
Enzyme Commission number	3.2.1.18 (BRENDA, IUBMB)
UNSPSC Code	12352202
NACRES	NA.54
Foreign activity	N-acetylglucosaminidase, α -fucosidase, α - and β -galactosidase, α - and β -mannosidase, proteases, none detected
Bio-activity	≥ 10 units/mL

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≥250 units/mg protein

Unit Definition

One unit is defined as the amount of enzyme that will catalyze the release of 1 μmol of methylumbelliferone from 2''-(4-Methylumbelliferyl)-α-D-N-acetylneuraminic Acid per min at 37 centigrade, pH 5.0.

Applications

Recommended reaction buffer: 50 mM sodium phosphate buffer, pH 6.0

Notes

Toxicity: Harmful (C)

Storage

2-8 centigrade, do not freeze

Storage Buffer

In 25 mM NaCl, 20 mM Tris-HCl, pH 7.5.

Shipping

Wet ice

GENE INFORMATION

Official Symbol

Neuraminidase

Synonyms

α2-3,6-Neuraminidase; Clostridium perfringens; Recombinant, E. coli, Acetylneuraminyl Hydrolase; Sialidase

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