

# Active Recombinant Clostridium perfringens α2-3,6-Neuraminidase

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant, Clostridium perfringens α2-3,6-Neuraminidase expressed in E. coli. Catalyzes the hydrolysis of non-reducing terminal α2,3 and α2,6 unbranched sialic acid residues from complex carbohydrates and glycoproteins. This enzyme does not exhibit activity on α2,8 or branched sialic acids.
<b>Species</b>	Clostridium perfringens
<b>Source</b>	E.coli
<b>Form</b>	Liquid
<b>CAS Number</b>	9001-67-6
<b>Enzyme Commission number</b>	3.2.1.18 (BRENDA, IUBMB)
<b>UNSPSC Code</b>	12352202
<b>NACRES</b>	NA.54
<b>Foreign activity</b>	N-acetylglucosaminidase, α-fucosidase, α- and β-galactosidase, α- and β-mannosidase, proteases, none detected
<b>Bio-activity</b>	≥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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