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Product Information

Recombinant *Clostridium perfringens* sialidase 33B

Cat. No.: X23-08-YM188

Size: 0.25 mg; 0.50 mg; 0.75 mg; 1 mg

Enzyme Commission Number: 3.2.1.18

Synonym: *Cp*Nan33B; Neuraminidase; Sialidase; α-Neuraminidase; Acetylneuraminidase

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Recombinant *Clostridium perfringens* sialidase 33B produced by *Escherichia coli*, is responsible for hydrolyzing terminal *N*- or *O*-acetylneuraminic acids which are α2,3-, α2,6-, α2,8- linked to oligosaccharides, polysaccharides, mucopolysaccharides, glycoproteins, and glycolipids.
Expression System	*Escherichia coli*
Species	*Clostridium perfringens*
Concentration	0.25 mg/mL
Form	Liquid
Purity	≥90%, determined by SDS-PAGE.
Activity	Sialidases
Buffer	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM $CaCl_2$, and 25% (v/v) glycerol
Applications	Recombinant *Clostridium perfringens* sialidase 33B can be used in clinical chemistry, glycobiology, and carbohydrate research. It has the ability to hydrolyze 4-methylumbelliferyl-*N*-acetyl neuraminic acid, colominic acid, glycolipids, glycoproteins, sialic acids, synthetic substrates.
Storage	Store at -20°C.