Creative Enzymes®

Endoglycosidase F1 from Elizabethkingia miricola, Recombinant

Cat. No. NATE-0214

Lot. No. (See product label)

Introduction

Description	An Endoglycosidase is an enzyme that releases oligosaccharides from glycoproteins or glycolipids. It may also cleave polysaccharide chains between residues that are not the terminal residue, although releasing oligosaccharides from conjugated protein and lipid molecules is more common. It breaks the glycosidic bonds between two sugar monomer in the polymer. It is different from exoglycosidase that it does not do so at the terminal residue. Hence, it is used to release long carbohydrates from conjugated molecules. If an exoglycosidase were used, every monomer in the polymer would have to be removed, one by one from the chain, taking a long time. An endoglycosidase cleaves, giving a polymeric product.
Applications	Cleaves asparagine-linked or free oligomannose and hybrid, but not complex, oligosaccharides. An Endoglycosidase is an enzyme that releases oligosaccharides from glycoproteins or glycolipids. It may also cleave polysaccharide chains between residues that are not the terminal residue, although releasing oligosaccharides from conjugated protein and lipid molecules is more common. It breaks the glycosidic bonds between two sugar monomer in the polymer. It is different from exoglycosidase that it does not do so at the terminal residue. Hence, it is used to release long carbohydrates from conjugated molecules. If an exoglycosidase were used, every monomer in the polymer would have to be removed, one by one from the chain, taking a long time. An endoglycosidase cleaves, giving a polymeric product.
Synonyms	Endoglycosidase; Endo F1; Endo-β-N-acetylglucosaminidase F1; Endoglycosidase F1 from Chryseobacterium meningosepticum; Endoglycosidase F1 from Elizabethkingia meningoseptica; Endoglycosidase F1 from Flavobacterium meningosepticum; Endoglycosidase F1; EC 3.2.1.96; 231-791-2

Product Information

Species	Elizabethkingia miricola
Source	E. coli
Form	buffered aqueous solution, Aseptically filled solution in 20 mM Tris-HCl pH 7.5
EC Number	EC 3.2.1.96
CAS No.	231-791-2
Activity	> 16 U/mg, buffered aqueous solution
Unit Definition	One unit will release N-linked oligosaccharides from 1 μmole of denatured Ribonuclease B in 1 minute at 37°C, pH 5.5.

Usage and Packaging

Package	Supplied with 5× Reaction Buffer, 250 mM NaH_2PO_4, pH 5.5.

Storage and Shipping Information

Storage	2-8°C