Creative Enzymes®

Endoglycosidase F2 from Elizabethkingia miricola, Recombinant

Cat. No. NATE-0215

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.

Synonyms

EC 3.2.1.96; Elizabethkingia miricola; Endo-β-N-acetylglucosaminidase F2; Endo F2; Endoglycosidase F2 from Chryseobacterium meningosepticum; Endoglycosidase F2 from Elizabethkingia meningoseptica; Endoglycosidase F2 from Flavobacterium meningosepticum; N,N'-diacetylchitobiosyl β-N-acetylglucosaminidase; endo-β-N-acetylglucosaminidase; mannosyl-glycoprotein endo-β-N-acetylglucosamidase; di-N-acetylchitobiosyl β-N-acetylglucosaminidase; endo-β-acetylglucosaminidase; endo-β-(14)-N-acetylglucosaminidase; mannosyl-glycoprotein 1,4-N-acetamidodeoxy-β-D-glycohydrolase; endoglycosidase S; endo-N-acetyl-β-D-glucosaminidase; endo-N-acetyl-β-glucosaminidase; endo-β-N-acetylglucosaminidase D; endo-β-N-acetylglucosaminidase F; endo-β-N-acetylglucosaminidase H; endo-β-N-acetylglucosaminidase L; 37278-88-9

Product Information

Species

Elizabethkingia miricola

Source

E. coli

Form

Aseptically filled solution in 10 mM sodium acetate, 25 mM sodium chloride, pH 4.5

EC Number

EC 3.2.1.96

CAS No.

37278-88-9

Activity

20 units/mg

Unit Definition

One unit will release N-linked oligosaccharides from 1 μmole of denatured porcine fibrinogen in 1 minute at 37°C, pH 4.5.

Usage and Packaging

Package

Supplied with 5× Reaction Buffer, 250 mM sodium acetate, pH 4.5

Storage and Shipping Information

Storage

−20°C