Creative Enzymes®

PNGase F from Elizabethkingia miricola, Recombinant

Cat. No. NATE-1286

Lot. No. (See product label)

Introduction

Description	In enzymology, a peptide-N4-(N-acetyl-beta-glucosaminyl) asparagine amidase (EC 3.5.1.52) is an enzyme that catalyzes a chemical reaction that cleaves a N4-(acetyl-beta-D-glucosaminyl)asparagine residue in which the glucosamine residue may be further glycosylated, to yield a (substituted) N-acetyl-beta-D-glucosaminylamine and a peptide containing an aspartate residue. This enzyme belongs to the family of hydrolases, specifically those acting on carbon-nitrogen bonds other than peptide bonds in linear amides.
Applications	PNGase F can be use to cleave N-glycans attached to proteins and antibodies.
Synonyms	glycopeptide N-glycosidase; glycopeptidase; N-oligosaccharide glycopeptidase; N-glycanase; glycopeptidase; Jack-bean glycopeptidase; PNGase A; PNGase F; glycopeptide N-glycosidase; peptide-N4-(N-acetyl-β-glucosaminyl)asparagine amidase; EC 3.5.1.52; PNGase F; 83534-39-8

Product Information

Species	Elizabethkingia miricola
Source	E. coli
Form	20 mM Tris pH8, 50% glycerol.
CAS No.	83534-39-8
Purity	>95% by SDS-PAGE gel
Concentration	50000unit/ml
Unit Definition	One unit is defined as the amount of enzyme required to removed >95% of the glycans from 10 ug of denatured RNase B in 1 hour at 37°C.

Storage and Shipping Information

Storage	Long term storage at -20°C or below
Stability	PNGase F retains >60% activity after left at room temperature for over 72 hours. Long term storage at - 20°C or below