

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-glucosaminyI) asparagine amidase (EC 3.5.1.52) is an enzyme that catalyzes a chemical reaction that cleaves a N4-(acetyl-beta-D-glucosaminyI)asparagine residue in which the glucosamine residue may be further glycosylated, to yield a (substituted) N-acetyl-beta-D-glucosaminyIamine 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-glucosaminyI)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