

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