

Native Flavobacterium meningosepticum PNGase F

Cat. No. NATE-0603

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** Glycoprotein analysis Removal of high mannose, hybrid, and complex N-glycans from glycoproteins Free of contaminants (Endo F, proteases, etc.)
- Synonymsglycopeptide 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

Source	Flavobacterium meningosepticum
EC Number	EC 3.5.1.52
CAS No.	83534-39-8
Molecular Weight	36 kDa
Activity	500,000 units/ml
Unit Definition	One unit is defined as the amount of enzyme required to remove > 95% of the carbohydrate from 10 μ g of denatured RNase B in 1 hour at 37°C in a total reaction volume of 10 μ l (65 NEB units = 1 IUB milliunit).

Storage and Shipping Information

Storage Store at -20°C.

StabilityStorage Conditions: 20 mM Tris-HCl, 50 mM NaCl, 5 mM Na2EDTA, 50% Glycerol, pH 7.5 25°C Heat
Inactivation: 75°C for 10 min