

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.)

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

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 µg of denatured RNase B in 1 hour at 37°C in a total reaction volume of 10 µl (65 NEB units = 1 IUB milliunit).

Storage and Shipping Information

Storage

Store at -20°C.

Stability

Storage 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