

## Native *Flavobacterium meningosepticum* PNGase F

Cat. No. NATE-0603

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** 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-glucosaminy)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