Creative Enzymes®

Native Almonds Glycopeptidase A

Cat. No. NATE-0600

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.
Synonyms	EC 3.5.1.52; glycopeptide N-glycosidase; glycopeptidase; N-oligosaccharide glycopeptidase; N-glycanase; glycopeptidase; Jack-bean glycopeptidase; PNGase A; PNGase F; glycopeptide N-glycosidase; 83534-39-8; peptide-N4-(N-acetyl-β-glucosaminyl)asparagine amidase

Product Information

Source	Almonds
Form	buffered aqueous glycerol solution; Solution in 50% glycerol containing 50 mM Citrate-phosphate buffer, pH 5.0, and BSA.
EC Number	EC 3.5.1.52
CAS No.	83534-39-8
Activity	> 0.05 unit/mL
Concentration	> 0.05 unit/mL
Unit Definition	One unit will hydrolyze 1.0 µmole of ovalbumin glycopeptide per min at pH 5.0 at 37°C.

Storage and Shipping Information

Storage	−20°C