

## PNGase A from *Oryza sativa* (rice), Recombinant

Cat. No. NATE-1941

Lot. No. (See product label)

### Introduction

**Description** PNGase A cleaves N-linked glycans from high mannose, hybrid, and short complex oligosaccharides such as those found in plant and insect cells. PNGase A differs from PNGase F in that it cleaves N-linked glycans with or without  $\alpha(1,3)$ -linked core fucose residues. PNGase A is a recombinant amidase, which cleaves between the innermost GlcNAc and asparagine residues of high mannose, hybrid, and short complex oligosaccharides such as those found in plant and insect cells from N-linked glycoproteins and glycopeptides. PNGase A differs from PNGase F in that it cleaves N-linked glycans with or without  $\alpha(1,3)$ -linked core fucose residues.

**Synonyms** N-Glycosidase A; PNGase A; Glycopeptidase A; N-linked-glycopeptide-(N-acetyl- $\beta$ -D-glucosaminyI)-L-asparagine amidohydrolase; PNGase

### Product Information

**Species** *Oryza sativa* (rice)

**Source** *Pichia pastoris*

**Form** Storage Conditions: 50 mM NaCl, 20 mM Tris-HCl, 5 mM EDTA, (pH 7.5 @ 25°C)

**EC Number** EC 3.5.1.52

**Molecular Weight** 63.8 kDa

**Purity** > 95% pure as determined by SDS-PAGE

**Activity** 5,000 units/ml

**Unit Definition** One unit is defined as the amount of enzyme required to remove > 95% of the carbohydrate from 1  $\mu$ g of denatured recombinant Avidin produced in Maize in 1 hour at 37°C in a total reaction volume of 10  $\mu$ l.

### Storage and Shipping Information

**Storage** 4°C