



Creative Enzymes

Diagnostic Enzymes

Native Peptide -N-Glycosidase F (PNGaseF) from Microorganism

Product Information

Cat#	BDE-039
Description	PNGase F is an amidase that efficiently removes nearly all N-linked glycans from glycoproteins, including high-mannose, hybrid, and complex types. It cleaves the glycosidic bond between the innermost N-acetylglucosamine and asparagine.
Applications	Used for deglycosylation in antibody and glycoprotein drug analysis, widely applied in quality control and structural characterization.
Enzyme Commission Number	EC 3.5.1.52
Form	Colorless liquid
Source	Microorganism
Activity	≥ 500000 U/mL
Unit Definition	One unit is defined as the amount of enzyme required to remove more than 95% of the carbohydrates from 10 µg of denatured RNase B in a 10 µL reaction system over a 1-hour reaction at 37 °C under specified assay conditions.
Molecular Weight	35 kDa (SDS-PAGE)
Purity	≥ 95.0% by SDS-PAGE
Optimum pH	7.0-8.0
Optimum temperature	65°C
Isoelectric Point	8.14
Inhibitors	SDS
Storage	Store at -25°C to -15°C.

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