

PNGase F

Catalog Number LDG0017RG

Package 15 KU / 75 KU / Customized package

For full product information, images and publications, please visit [our website](#).



Overview

Description

PNGase F is an enzyme used in biochemistry and molecular biology to remove N-linked glycans from glycoproteins. By using PNGase F, researchers can enzymatically cleave between these sugar chains and asparagine residues of glycoproteins, allowing for the study of protein structure and function, particularly in glycosylation research.

Components

PNGase F	1 vial (400 U/ μ L)
10X Glycoprotein Denaturing Buffer	1 vial (1 mL)
10X Reaction buffer	1 vial (1 mL)
10% NP-40	1 vial (1 mL)

Specifications

Expression system

Escherichia coli

Concentration

400 U / μ L

Buffer

20mM Tris-HCl, 50mM NaCl, 5mM EDTA, pH 7.5

Purity

>95% as determined by SDS-PAGE analysis.

Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

Taipei Office

+886-2-27065528

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.

Form

Liquid

Endotoxin level

<1 EU per 1 µg of the protein by the LAL method.

Instruction**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for -80°C long-term storage under sterile conditions.

Avoid repeated free-thaw cycles.

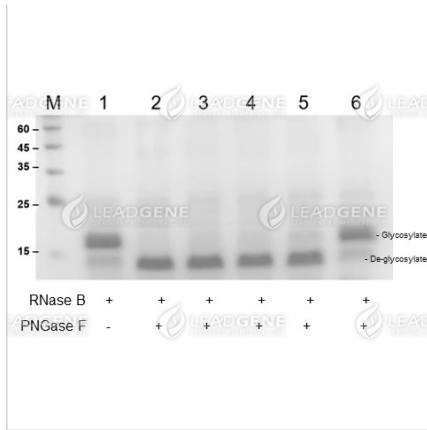
Image**Tainan Headquarter**

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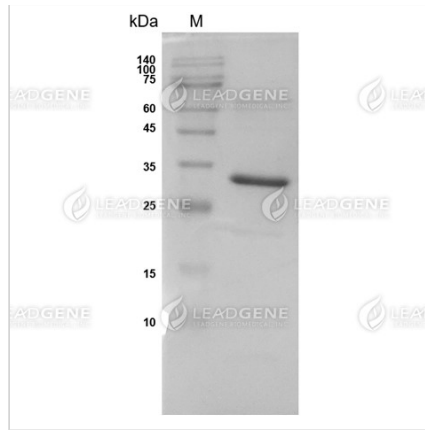
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The standard assay was performed by incubating 1 unit of PNGase F and 10 µg of RNase B under the above conditions.

SDS-PAGE analysis of RNase B digested with LeadGMP® PNGase F .

Lane 1: Uncut, Lane 2: 0.01 U, Lane 3: 0.005 U, Lane 4: 0.0033 U, Lane 5: 0.0025 U, Lane 6: 0.002 U



SDS-PAGE analysis of recombinant PNGase F

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