

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

Package	Items	Quantity
15 KU	LeadGMP® PNGase F	1 vial (400 U/μL)
	10X Glycoprotein Denaturing Buffer	1 vial (1 mL)
	10X Reaction buffer	1 vial (1 mL)
	10% NP-40	1 vial (1 mL)
75 KU	LeadGMP® PNGase F	1 vial (400 U/μL)
	10X Glycoprotein Denaturing Buffer	1 vial (1 mL)
	10X Reaction buffer	1 vial (1 mL)
	10% NP-40	1 vial (1 mL)

Specifications

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CLD Center

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Expression System

Escherichia coli

Storage Buffer

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

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 20 µL.

Form

Liquid

Concentration

400 U /µL

Purity

>95% as determined by SDS-PAGE analysis.

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.

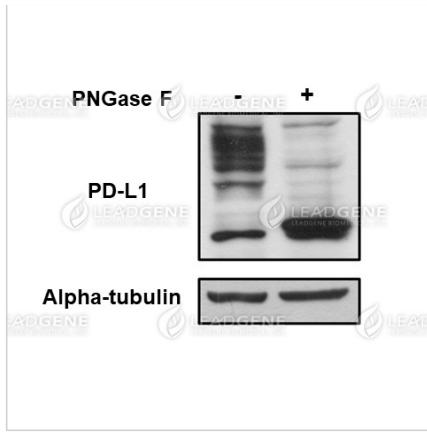
Stability & Storage

This product is stable after storage at:

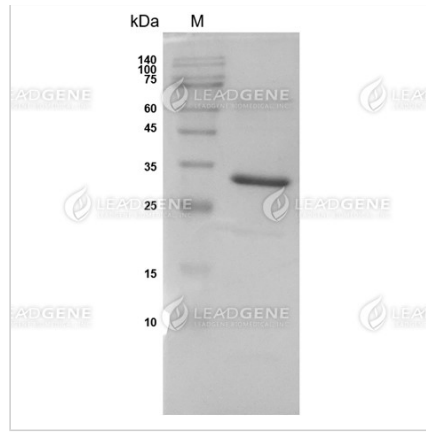
- -20°C for -80°C long-term storage under sterile conditions.

Avoid repeated free-thaw cycles.

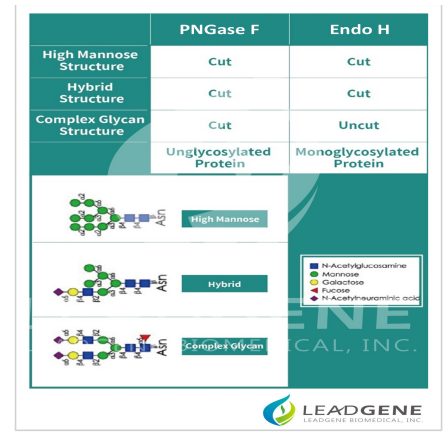
Image



The intracellular PD-L1 protein was digested with LeadGMP® PNGase F and analyzed by Western blotting. The assay was performed by incubating 400 U PNGase F and 20 µg of glycoprotein from whole cell lysate.



SDS-PAGE analysis of recombinant PNGase F



PNGase F cleaves high mannose, hybrid-type and complex structure glycans.

Disclaimer : For Research Use or Further Manufacturing Only.