# PNGase F (500U/ul)

Catalog # PNF-E51H3

## Product Details

PNGase F is the most effective enzymatic method for removing almost all N-linked oligosaccharides from glycoproteins. PNGase F is an amidase, which cleaves between the innermost GlcNAc and asparagine residues of high mannose, hybrid, and complex oligosaccharides.

## Application

Leaves N-glycan core oligosaccharides intact and suitable for further analysis
Non-recombinant with no detectable endoglycosidase F1, F2 or F3 contamination

## 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.

## Purity

>90% as determined by SDS-PAGE.

## Enzyme Activity

>500 U/µL

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Notes

To deglycosylate a native glycoprotein, longer incubation time as well as more enzyme may be required.

PNGase F will not cleave N-linked glycans containing core α1-3 Fucose.

## Formulation

Supplied as 0.2 µm filtered solution in 20 Mm Tris, 50 mM NaCl, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

## Shipping

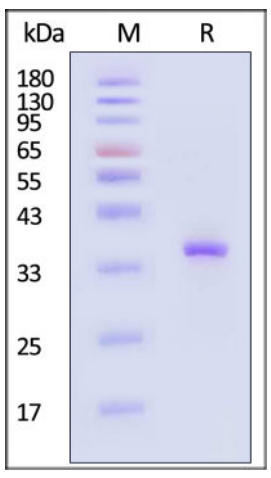
***This product is supplied and shipped with blue ice, please inquire the shipping cost.***

## Storage

This product is stable after storage at:

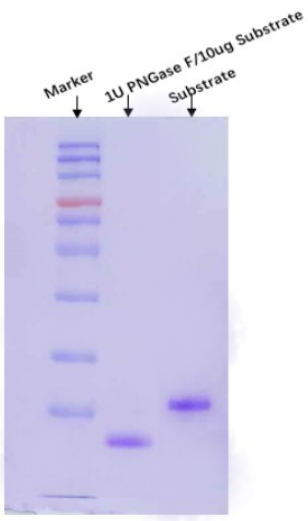
- The product MUST be stored at -20°C or lower upon receipt.
- -20°C for 12 months under sterile conditions.

## SDS-PAGE




The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

## Bioactivity




One unit enzyme 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 (QC tested).

## Clinical and Translational Updates