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<https://www.qa-bio.com/product/pngase-f/>

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Protocol status: Working
 We use this protocol and it's working

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QA-Bio PNGase F Non-denatured Glycoprotein Protocol

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ABSTRACT

PNGase F cleaves N-linked (asparagine-linked) oligosaccharides from glycoproteins. The enzyme deaminates asparagine to aspartic acid, leaving the oligosaccharides intact. Denaturation increases the rate of cleavage. Most native proteins can still be completely N-deglycosylated but incubation time must be increased. The enzyme will remain fully active under reaction conditions (37°C) for at least 96 hours. PNGase F will not remove oligosaccharides containing Alpha-(1,3)-linked core fucose commonly found on plant glycoproteins; for this purpose, use peptide N-glycosidase A.

ATTACHMENTS

[PNGaseF.QA-Bio.specsheet.pdf](#)

MATERIALS

MATERIALS

PNGase F QA-Bio Inc Catalog #E-PNG01

- 1** Add up to 200 µg of glycoprotein to an Eppendorf tube.
- 2** Adjust to 40 µl final volume with de-ionized water.
- 3** Add 10 µl 5x Reaction Buffer 7.5
- 4** Add 2.0 µl of enzyme to the reaction.
- 5** Incubate 3-24 hours at 37°C.