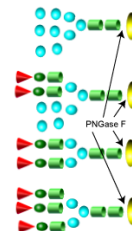


Aug 06, 2018

QA-Bio PNGase F Non-denatured Glycoprotein Protocol

DOI

<https://dx.doi.org/10.17504/protocols.io.seaebae>



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DOI: <https://dx.doi.org/10.17504/protocols.io.seaebae>

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

Protocol Citation: Mike Gibson 2018. QA-Bio PNGase F Non-denatured Glycoprotein Protocol. **protocols.io**
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Protocol status: Working

We use this protocol and it's working

Created: August 06, 2018

Last Modified: August 06, 2018

Protocol Integer ID: 14498

Keywords: PNGase F, oligosaccharides from glycoprotein, plant glycoprotein, oligosaccharide, glycoprotein, enzyme, aspartic acid, most native protein, core fucose

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.specs...](#)

265KB

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.