

PRODUCT INFORMATION

PNGase F, recombinant (solution)

Cat. no. 36404

PRODUCT DESCRIPTION

PNGase F is a recombinant glycosidase, cloned from *Flavobacterium meningosepticum*, which catalyzes the cleavage of N-linked oligosaccharides from proteins.

Concentration: 10⁶ units/ml (2.0 mg/ml)

Molecular Weight: approx. 36 kDa

Storage: + 2 °C to - 20 °C. Avoid multiple freeze-thaw cycles.

Deglycosylation of proteins under denaturing conditions

Deglycosylation may be visualized by gel-shift on SDS PAGE.

Required Materials:

- 5 % (w/v) SDS
- 1 M DTT
- 1x Phosphate Buffered Saline (PBS), pH 7.4
- 10 % (w/v) NP-40
- Blue ice

- Add up to 50 µg of the target glycoprotein in 1x PBS to a final volume of 11 µl.
- Add 1 µl of 5 % SDS and 1 µl of 1M DTT.
- Denature the sample for 10 min at 95 °C and cool the sample by incubation on Ice.

Note: Other buffers can be used if pH ranges between 6 - 10.

- Add 2 µl of 10 % NP-40.
- Add 1 µl of recombinant PNGase F.
- Incubate at 37 °C for 30 minutes.

Deglycosylation of proteins under native conditions

Deglycosylation under native (non-denaturing) conditions may require increasing both the amount of PNGase F used and the incubation time.

Required Materials:

- 1x Phosphate Buffered Saline (PBS), pH 7.4
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- Add up to 20 µg of glycoprotein in 1x PBS to a final volume of 18 µl.
 - Add 2 µl of recombinant PNGase F.
 - Incubate at 37 °C for 0.5 - 24 hours.