

PRODUCT INFORMATION

Endo F3, recombinant (lyophilized)

Cat. no. 36407

PRODUCT DESCRIPTION

Endo F3, recombinant endo- β -N-acetylglucosaminidase F3 from *Flavobacterium meningosepticum*, cleaves in β (1-4) link in between the two core GlcNAcs of asparagine linked glycans. Endo F3 cleaves this link on core-fucosylated structures. The enzyme can be applied to workflows alone or in conjunction with PNGase F to allow for structural characterization of core-fucosylated glycans in tissues while maintaining spatial localization.

- Especially designed and tested for mass spectrometry imaging and HPLC/UPLC
- Contains a His-tag for easy removal by affinity chromatography
- No need for refrigerated transport, storage is at room temperature

Concentration after reconstitution with 100 μ l H₂O dist.: 8 units/ μ l

Molecular Weight: approx. 36 kDa

Storage of the lyophilizate: + 15 °C to + 30 °C

Storage after reconstitution: + 2 °C to - 20 °C for 6 months (avoid multiple freeze-thaw cycles).

PROTOCOL

The following protocol is intended as a general guide for protein deglycosylation and may require modification for different glycoprotein substrates. Like many enzyme reactions, it is highly dependent on reaction conditions and should be determined empirically for each target.

Required Materials:

- 5x Reaction Buffer: 250mM sodium acetate, pH 4.5
- Add target glycoprotein to a vial, adjust to final volume with H₂O dist.
- Add 5x Reaction Buffer pH 4.5 to a final concentration of 1X as required.
- Add Endo F3 at an enzyme-to-protein-ratio of 1:5 (w/w).
- Incubate at 37°C for 3 hours

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