AUG 06, 2018

Endo F3 Protocol for Deglycosylating Glycoproteins

Mike Gibson¹

¹QA-Bio Inc

Mike Gibson

ABSTRACT

Endo F3 cleaves free or Asparagine-linked triantennary or biantennary oligosaccharides, as well as triantennosyl chitobiose core structures. It cleaves between the two N-acetylglucosamine residues in the diacetylchitobiose core of the oligosaccharide, generating a truncated sugar molecule with one N-acetylglucosamine residue remaining on the asparagine. In contrast, PNGase F removes the oligosaccharide intact. Alpha 1-3 fucosylation will inhibit enzymatic activity.

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.sefebnn

External link:
<http://www.qa-bio.com/docs/E-EF03.QA-Bio.specsheet.pdf>

Protocol Citation: Mike Gibson 2018. Endo F3 Protocol for Deglycosylating Glycoproteins. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.sefebnn>

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

Created: Aug 06, 2018

Last Modified: Aug 06, 2018

PROTOCOL integer ID:
 14503

MATERIALS

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Endo F3 QA-Bio Inc Catalog #E-EF03

Keywords: Endo F3,
endoglycosidase f3,
endoglycosidase

- 1** Add up to 200 µg of glycoprotein to an Eppendorf tube. Adjust to 38 µl final volume with de-ionized water.
- 2** Add 10 µl 5x Reaction Buffer 4.5
- 3** Add 2.0 µl of Endo F3 to the reaction. Incubate 3 hours at 37°C. Monitor cleavage by SDS-PAGE.