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Endo F3 Protocol for Deglycosylating Glycoproteins

DOI

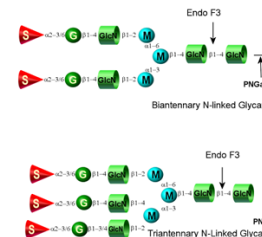
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External link: <http://www.qa-bio.com/docs/E-EF03.QA-Bio.specsheet.pdf>

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Protocol status: Working

We use this protocol and it's working

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Keywords: Endo F3, endoglycosidase f3, endoglycosidase, endo f3 protocol for deglycosylating glycoprotein, deglycosylating glycoprotein, oligosaccharide, acetylglucosamine residues in the diacetylchitobiose core, biantennary oligosaccharide, truncated sugar molecule, glycoprotein, fucosylation, diacetylchitobiose core, triamnnosyl chitobiose core structure, chitobiose core structure, enzymatic activity, acetylglucosamine residue, endo f3 cleaf, acetylglucosamineresidue, endo f3 protocol, endo f3

Abstract

Endo F3 cleaves free or Asparagine-linked triantennary or biantennary oligosaccharides, as well as triamnnosyl 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-acetylglucosamineresidue remaining on the asparagine. In contrast, PNGase F removes the oligosaccharide intact. Alpha 1-3 fucosylation will inhibit enzymatic activity.

Materials

MATERIALS

 Endo F3 QA-Bio Inc Catalog #E-EF03



- 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.