

Aug 06, 2018

Endo F2

DOI

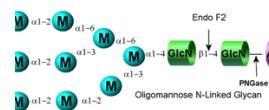
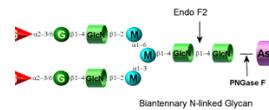
dx.doi.org/10.17504/protocols.io.seeebbe

Mike Gibson¹

¹QA-Bio Inc



Mike Gibson



Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

[Create free account](#)

OPEN  ACCESS



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

External link: <http://www.qa-bio.com/docs/E-EF02.QA-Bio.specsheet.pdf>

Protocol Citation: Mike Gibson 2018. Endo F2. [protocols.io https://dx.doi.org/10.17504/protocols.io.seeebbe](https://dx.doi.org/10.17504/protocols.io.seeebbe)

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: August 06, 2018

Last Modified: August 06, 2018

Protocol Integer ID: 14502

Keywords: endoglycosidase f2, endo f2, oligosaccharide, biantennary oligosaccharide, acetylglucosamine residues in the diacetylchitobiose core, truncated sugar molecule, diacetylchitobiose core, linked high mannose, acetylglucosamine residue, high mannose, cleaf

Abstract

Endo F2 cleaves Asparagine-linked high mannose or biantennary oligosaccharides. 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.

Materials

MATERIALS

 Endo F2 QA-Bio Inc Catalog #E-EF02

- 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 F2 to the reaction. Incubate 3 hours at 37°C.
- 4 Monitor cleavage by SDS-PAGE.