Endo F2

Mike Gibson

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.

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Materials

Endo F2 E-EF02 by QA-Bio Inc

Protocol

Step 1.
Add up to 200 µg of glycoprotein to an Eppendorf tube. Adjust to 38 µl final volume with de-ionized water.

Step 2.
Add 10 µl 5x Reaction Buffer 4.5

Step 3.
Add 2.0 µl of Endo F2 to the reaction. Incubate 3 hours at 37°C.

Step 4.
Monitor cleavage by SDS-PAGE.