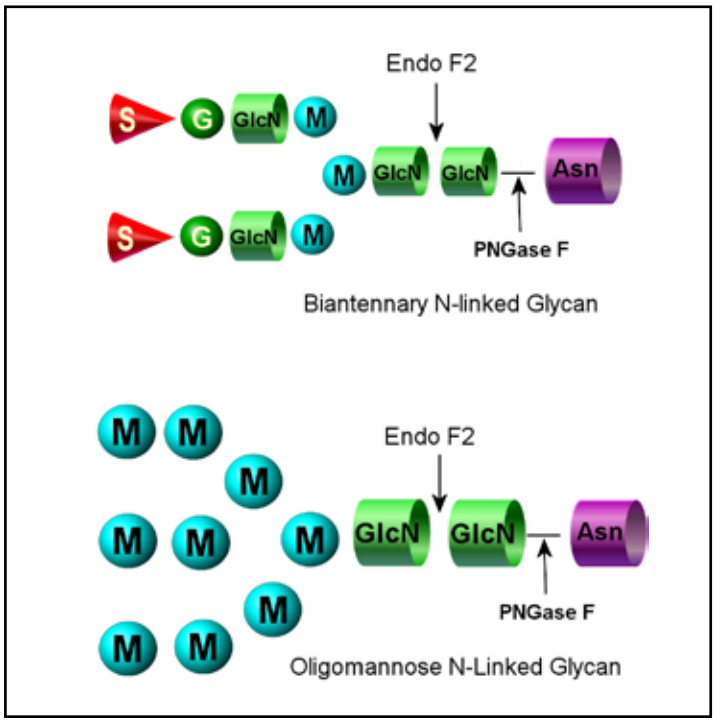

Endo F2 (Endoglycosidase F2)
Endo-beta-N-acetylglucosaminidase F2

Source recombinant *Chryseobacterium meningosepticum* in *E. Coli*

Catalog Number E-EF02

Certification of Analysis Lot Number 303.3A

EC 3.2.1.96

Contents
1 vial: Endo F2- 60 µl (0.3 U)
10 mM sodium acetate, 25 mM NaCl, pH 4.5
1 vial: 5x Reaction Buffer - 400 µl
250 mM sodium acetate, pH4.5

Specific Activity 20 U/mg
Activity 5 U/ml

Molecular Weight 32 kD

Specific Activity
Defined as the amount of enzyme required to catalyze the release of N-linked oligosaccharides from 1 micromole of denatured Ribonuclease B (RNase B) in 1 minute at 37°C, pH 5.5. Cleavage is monitored by SDS-PAGE (cleaved RNase B migrates faster).

Formulation
The enzyme is provided as a sterile-filtered solution in 10 m*M* sodium acetate, 25mM NaCl, pH 4.5

Storage
Store enzyme at 4°C. Do not freeze.

Specificity
QA-Bio™ 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.

Quality & Purity
QA-Bio Endo F2 is tested for contaminating protease as follows: 10 µg of denatured BSA is incubated at 37°C for 24 hours with 2 µl of enzyme. SDS-PAGE analysis of the treated BSA shows no evidence of degradation.
The absence of exoglycosidase contaminants is confirmed by extended incubations with the corresponding pNP-glycosides.

Stability
Several days exposure to ambient temperatures will not reduce activity. Stable at least 12 months when stored properly.

E-EF02 Endo F2

Specifications - Protocol

QA-Bio
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Directions for use

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

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

   Monitor cleavage by SDS-PAGE.

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Warranties and liabilities

QA-Bio warrants that the above product conforms to the specifications described herein. Should the product fail for reasons other than through misuse QA-Bio will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and QA-Bio makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose. QA-Bio shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

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