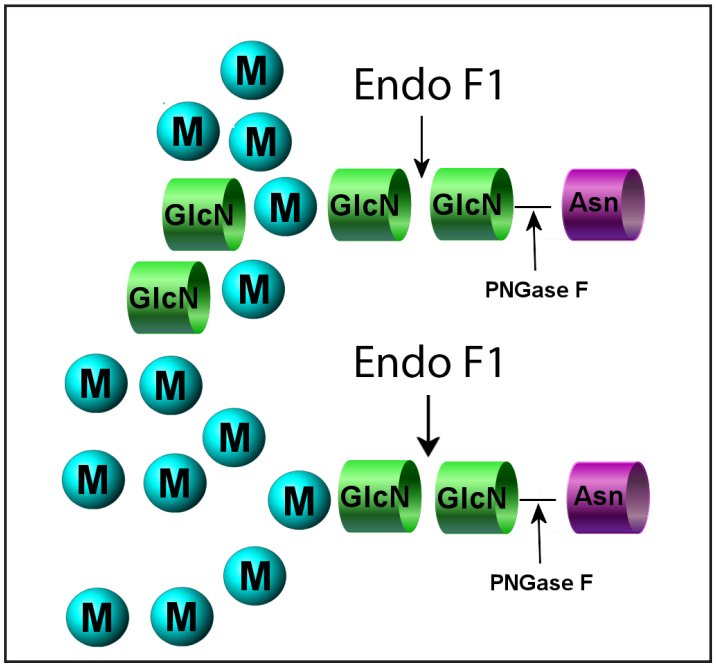

Endo F1 (Endoglycosidase F1)
Endo F1, Endoglycosidase F1, endo-beta-N-acetylglucosaminidase F1

Source
recombinant gene from *Elizabethkingia miricola* in *E. Coli*

Catalog Numbers

E-EF01	60 µl
E-EF01-20	20 µl
E-EF01-200	200 µl

EC 3.2.1.96

Recommended Reagents
included with E-EF01 and E-EF01-20:
1 vial: 5x Reaction Buffer
250 mM sodium phosphate, pH5.5

Activity ≥ 17 U/ml
Specific Activity ≥ 16 U/mg

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 20 m*M* Tris-HCl, pH 7.5

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

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

Specificity
QA-Bio™ Endo F1 cleaves Asparagine-linked high mannose or hybrid 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 F1 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 production host strain has been extensively tested and does not produce any detectable glycosidases.

Endo F1

Specifications - Protocol

QA-Bio
www.QA-Bio.com
info@QA-Bio.com

phone/fax 866-384-2272
phone 760-565-3057

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 5.5

3. Add 2.0 µl of Endo F1 to the reaction. Incubate 1 hour or more 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.

revised on August 19, 2018