**Endo F1 (Endoglycosidase F1)**

Endo F1, Endoglycosidase F1, endo-beta-N-acetylgalactosaminidase F1

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

**Catalog Number** E-EF01

**Certification of Analysis Lot Number** 903.1A

**EC** 3.2.1.96

**Contents**

1 vial: Endo F1- 60 µl (1 U)
- 20 mM Tris-HCl pH 7.5
1 vial: 5x Reaction Buffer - 400 µl
- 250 mM sodium phosphate, pH5.5

**Specific Activity** 16 U/mg

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**Molecular Weight** 32 kD

**Specificity**

QA-Bio™ Endo F1 cleaves Asparagine-linked high mannose or hybrid oligosaccharides. It cleaves between the two N-acetylglucosamine residues in the diacetylichitobiose 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 absence of exoglycosidase contaminants is confirmed by extended incubations with the corresponding pNP-glycosides.

**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.
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

4. Add 2.0 µl of Endo F1 to the reaction. Incubate 3 hours at 37°C.

Monitor cleavage by SDS-PAGE.

References:


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 warranties, 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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