Endo F3 (Endoglycosidase F3)
Endo-beta-N-acetylglucosaminidase F3

Source recombinant Chryseobacterium meningosepticum in E. Coli

Catalog Number E-EF03

Certification of Analysis Lot Number 902.1A

EC 3.2.1.96

Contents
1 vial: Endo F3- 60 µl (0.3 U)
   20 mM Tris-HCl pH 7.5
1 vial: 5x Reaction Buffer - 400 µl
   250 mM sodium acetate, pH4.5

Specific Activity 25 U/mg
Activity 5 U/ml

Molecular Weight 30 kD

Specific Activity
Defined as the amount of enzyme required to catalyze the release of N-linked oligosaccharides from 1 micro-
mole of porcine fibrinogen in 1 minute at 37°C, pH 4.5. Cleavage is monitored by SDS-PAGE.

Formulation
The enzyme is provided as a sterile-filtered solution in 20 mM Tris-HCl, pH 7.5

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

Quality & Purity
QA-Bio™ Endo F3 cleaves free or Asparagine-linked triantennary or fucosylated biantennary oligosaccharides, as well as triamnnosyl chitobiose core structures. 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. Alpha 1-3 fucosylation will inhibit enzymatic activity.

The recombinant version is not glycosylated, which may result in properties differing from the native protein.

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

E-EF03 Endo F3
Specifications - Protocol
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

3. Add 2.0 µl of Endo F3 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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