

Endo F1

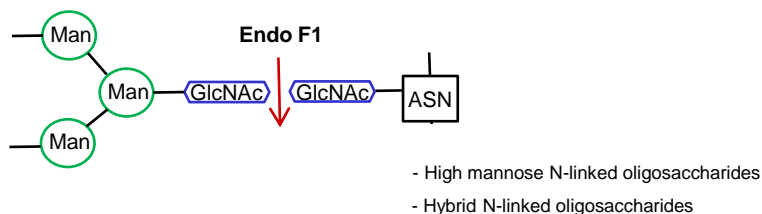
Product	Quantity	Cat. No.	Remarks
Endo F1	50,000 unit	EBG-1002	500 unit/ μ l

Description

Endo F1 (Endoglycosidase F1) is a recombinant glycosidase expressed and purified from *E.coli* which carries the *Chryseobacterium meningosepticum* gene. Endo F1, like Endo H, cleaves between the N-acetylglucosamine residues of the chitobiose core of N-linked glycans, leaving one N-acetyl glucosamine residue attached to the asparagine.

Endo F1 has a molecular weight of ~33.6 kDa. The workable pH range is between 5.0 to 6.0, with the optimal pH at 5.5.

Substrate Specificity



Product Component

- Endo F1 : 100 μ l (500 unit/ μ l)
- 10x Reaction Buffer : 500 mM sodium citrate, pH 5.5.

Unit Definition

One unit is defined as the amount of enzyme required to remove > 95% of the carbohydrate from 10 μ g of denatured RNase B in 1hr at 37°C in a total reaction volume of 10 μ l.

Specific Activity

500 unit/ μ l, 2,000 unit/ μ g

Storage Buffer

20 mM Tris-HCl, pH 7.5, 50 mM NaCl, 5 mM EDTA, 50% glycerol.

Endo F1 Reaction Condition

10 μ g of RNase B are denatured with 0.5% SDS, 1% β -mercaptoethanol at 100°C for 10 min. After the addition of Reaction Buffer to final 1x, Endo F1 are added and the reaction mix is incubated for 1 hr at 37°C. Separation of reaction products is analyzed by SDS-PAGE (cleaved RNase B migrates faster).

The activity of Endo F1 is not affected by addition of 0.5% SDS. For a native glycoprotein, 5-fold more enzyme and longer incubation time will be required.

Storage Temperature

Store at -20°C.

QC Tests

Activity, SDS-PAGE purity, performance tests.

