For research use only

ISO9001

Endo H

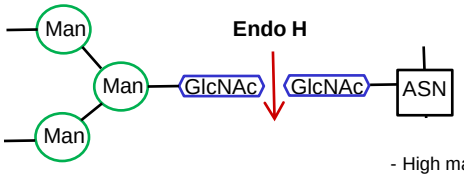
Product	Quantity	Cat. No.	Remarks
Endo H	50,000 unit	EBG-1001	500 unit/μl

Description

Endo H (Endoglycosidase H) is a recombinant glycosidase expressed and purified from *E.coli* which carries the *Streptomyces plicatus* gene. 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 H has a molecular weight of ~31.1 kDa. The workable pH range is between 5.0 to 6.0, with the optimal pH at 5.5.

Substrate Specificity



- High mannose oligosaccharides
- Hybrid N-linked oligosaccharides

Product Component

- Endo H : 100 μl (100 unit/μl)
- 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 μg of denatured RNase B in 1hr at 37°C in a total reaction volume of 10 μl.

Specific Activity

500 unit/μl, 500-600 unit/μg

Storage Buffer

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

Endo H Reaction Condition

10 μg 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 H 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).

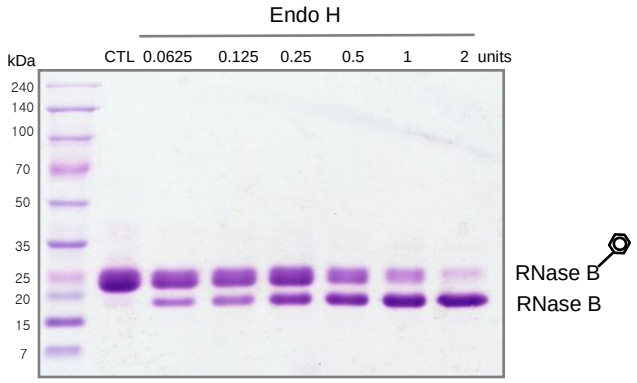
The activity of Endo H is not affected by addition of 0.5% SDS. For a native glycoprotein, 5-fold more enzyme and longer incubation time will be required.

Storage Temperature

Store at -20℃.

QC Tests

Activity, SDS-PAGE purity, performance tests.



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