

Code; RP801-xxx

Lot; xxxxx

Size; xxxxx units



ProteinExpress

EndoH (Endoglycosidase H)

Supplied Reagents

- EndoH (Tube No.1)
- 10 X Endo H Reaction Buffer (Tube No.2)
- 10 X Denaturing Solution (Tube No.3)

Concentration : 500,000units/mL

Storage : -20 °C

Description : EndoH(Endoglycosidase H) is a recombinant glycosidase from *Streptomyces plicatus* which cleaves within the chitobiose core of high mannose and some hybrid oligosaccharides from C-linked glycoproteins.

Storage Buffer :

20 mM Tris-HCl (pH7.5 at 25°C)
50 mM NaCl
5 mM EDTA

10 X Endo H Reaction Buffer :

0.5 M Sodium Acetate(pH6.0 at 25°C)

10 X Denaturing Buffer :

5% SDS, 0.4M DTT

Source : Recombinant protein with a N-terminal DYKDDDDK tag and 6xHis tag, expressed in *E.coli*.

Molecular Weight : 31kDa.

Purity : > 95%, as determined by SDS-PAGE visualized by CBB stain.

Unit Definition : One unit is defined as the amount of enzyme required to remove >95% of the carbohydrate from 10µg of denatured RNase B in 1hour at 37°C in a total reaction volume of 10µl.

Standard Procedure :

1. Combine 1-20 µg of glycoprotein, 1 µl of 10X Denaturing Buffer and H₂O (if necessary) to make a 10 µl total reaction volume.
2. Denature glycoprotein by heating reaction at 100° C for 10 minutes.
3. Make a total reaction volume of 20 µl by adding 2 µl of 10X Endo H Reaction Buffer, H₂O and 1-5 µl Endo H.
4. Incubate at 37 °C for 1 hour

References :

- 1)Maley, F. et al. (1989). *Anal. Biochem.* 180, 195-204.
- 2)Robbins, P. et al. (1984). *J. Biol. Chem.* 259, 7577-7583.

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