Code; RP801-xxx
Lot; xxxxx
Size; xxxxx units

ProteinExpress

EndoH （Endoglycosidase H）

Supplied Reagents
- EndoH
- 10 X Endo H Reaction Buffer
- 10 X Denaturing Solution

Concentration : 500,000units/mL

Storage : -20 ℃

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℃)
50 mM NaCl
5 mM EDTA

10 X Endo H Reaction Buffer :
0.5 M Sodium Acetate(pH6.0 at 25℃)

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℃ in a total reaction volume of 10μl.

Standard Procedure :
1. Combine 1-20 μg of glycoprotein, 1 μl of 10X Denaturing Buffer and H_20 (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, H_20 and 1-5 μl Endo H.

4. Incubate at 37 ℃ 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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