Code; RP802-xxx
Lot; xxxxx
Size; xxxxxunits

ProteinExpress

PNGaseF （N-Glycosidase F）

Supplied Reagents
- PNGaseF
- 10 X PNGaseF Reaction Buffer
- 10 X Denaturing Solution
- 10% NP-40

Concentration : 500,000units/mL

Storage : -20 ℃

Description : PNGaseF(N-GlycosidaseF) is a recombinant glycosidase from *Elizabethkingia miricola (Flavobacterium Meningosepticum)*.

Storage Buffer :
20 mM Tris-HCl (pH7.5 at 25℃)
50 mM NaCl
5 mM EDTA
50% Glycerol

10 X PNGaseF Reaction Buffer :
0.5 M Sodium Phosphate(pH7.5)

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 : 36kDa.

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 PNGase Reaction Buffer, 2 μl of 10% NP-40, H_20 and 1-5 μl PNGaseF.

4. Incubate at 37 ℃ for 1 hour

References :

1)Maley, F. et al. (1989). *Anal. Biochem*. 180, 195-204.
2)Tretter, V. et al. (1991). *Eur. J. Biochem.*. 199, 647-652.
3)Plummer, T.H. Jr. and Tarentino, A.L. (1991). *Glycobiology*. 1, 257-263.

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