

Head office

1676, Nakatsu-cho, Marugame, Kagawa Pref.
〒763-8605 Japan (TEL 0877-22-6231)

Minato-machi R&D Division

307, Minato-machi, Marugame, Kagawa Pref.
〒763-0042 Japan (TEL 0877-22-6283)

Endo-CC Product Information

1. Product code: 171831
2. Product name: Endo-CC
3. Total activity: 300 mUnits (0.75 mUnits/uL)
4. Volume: 400 uL
5. Origin: Expressed in *E.coli.*, recombinant form of Endo- β -*N*-Acetylglucosaminidase from *Coprinopsis cinerea*.
6. Physical form: 20 mM Tris-HCl (pH 7.5)
7. Mw (kDa): 88 kDa
8. Purity: >90% (SDS-PAGE)
9. Recommended pH and temperature:
pH = 6.0~10.0, 30~60 °C
10. Optimal pH and temperature:
pH = 7.0~8.0, 50~60 °C
11. Storage: -20 °C or -80 °C
12. Unit definition: One unit is defined as the amount of enzyme required to cleave 1 μ mol SGP per minute at 37°C, pH 8.0.
13. Tag: His-Tag
14. Theoretical pI = 5.69

[References]

- 1) Eshima Y, Higuchi Y, Kinoshita T, Nakakita S, Takegawa K, Transglycosylation Activity of Glycosynthase Mutants of Endo- β -*N*-Acetylglucosaminidase from *Coprinopsis cinerea*, PLOS ONE0132859, July 21, 2015
- 2) Higuchi Y, Eshima Y, Huang Y, Kinoshita T, Sumiyoshi W, Nakakita S, Takegawa K, Highly efficient transglycosylation of sialo-complex-type oligosaccharide using *Coprinopsis cinerea* endoglycosidase and sugar oxazoline, Biotechnology Letters, DOI 10.1007/s10529-016-2230-0