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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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β-Galactosidase, E. coli

Cat. No.:	HY-P2869
CAS No.:	9031-11-2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

β-Galactosidase, E. coli

BIOLOGICAL ACTIVITY

Description	β-Galactosidase (EC 3.2.1.23) is a glycoside hydrolase that hydrolyzes the β-glycosidic bonds formed between galactose and its organic moieties. In E.coli, the lacZ gene is the structural gene of β-galactosidase, which can be used as part of the induction system lac operon. β-Galactosidase can hydrolyze lactose to form glucose and galactose, and enter glycolysis; it can also catalyze the transgalactosylation of lactose into allolactose; allolactose can be cracked into monosaccharides ^[1] .
In Vitro	This product is derived from M fungal fermentation. Inhibitor: Co ²⁺ , Cu ²⁺ , Ni ²⁺ , Zn ²⁺ , Proclin pH range: effective pH range 3.0-8.0, optimal pH range 3.5-5.0 Temperature range: effective temperature range 5-65, optimal temperature range 55-60 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Douglas H Juers, et al. LacZ β-galactosidase: structure and function of an enzyme of historical and molecular biological importance. Protein Sci. 2012 Dec;21(12):1792-807.

Caution: Product has not been fully validated for medical applications. For research use only.

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