

## β-Glucosidase

Cat. No.:	HY-P2775		
CAS No.:	9001-22-3		
Target:	Glucosidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

## β-Glucosidase

### BIOLOGICAL ACTIVITY

#### Description

β-Glucosidase is the rate-limiting enzyme of degradation of cellulose. β-Glucosidase is a major group among glycoside hydrolases. β-Glucosidase is involved in the degradation of cellulose in soils and has potential for monitoring biological soil quality<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Benjamin L.Turner, et al. β-Glucosidase activity in pasture soils. *Applied Soil Ecology*, 2002, 157-162.
- [2]. Zang X, et al. The structural and functional contributions of β-glucosidase-producing microbial communities to cellulose degradation in composting. *Biotechnol Biofuels*. 2018 Feb 27;11:51.
- [3]. Ketudat Cairns JR, et al. β-Glucosidases. *Cell Mol Life Sci*. 2010 Oct;67(20):3389-405.

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

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