

Cystathionine β -lyase, Recombinant Microorganisms

Cat. No.:	HY-E70079		
CAS No.:	9055-05-4		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

Cystathionine β -lyase, Recombinant Microorganisms

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Cystathionine β -lyase, Recombinant Microorganisms (CBL) is an enzyme that catalyzes the breakdown of cystathionine to homocysteine, the penultimate step in methionine biosynthesis. Cystathionine β -lyase is important for bacterial virulence ^[1] .
In Vitro	Cystathionine β -lyase (25 nM; 10 min) catalyzes L-(+)-cystathionine (100 μ M) to homocysteine. Cystathionine β -lyase activity can be measured by monitoring the formation of homocysteine at 412 nm, using 5,5'-dithio-bis-(2-nitrobenzoic acid) as a detector of free thiol ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ejim LJ, et al. Cystathionine beta-lyase is important for virulence of Salmonella enterica serovar Typhimurium. Infect Immun. 2004 Jun;72(6):3310-4.

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

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