

Recombinant E.coli metC, His-tagged

Cat. No. metC-92E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli Cystathionine Beta-Lyase MetC/metC is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Val395) of E. coli metC fused with a 6His tag at the N-terminus.
Species	E.coli
Source	E.coli
ProteinLength	1-395 a.a.
Description	Cystathionine Beta-Lyase MetC (CBL) belongs to the family of Lyases, specifically the class of carbon-sulfur lyases. CBL catalyzes the chemical reaction converting L-cystathionine to L-homocysteine, NH ₃ and pyruvate. This reaction depends on pyridoxal phosphate as a cofactor. CBL participates in 5 metabolic pathways: methionine metabolism, cysteine metabolism, selenoamino acid metabolism, nitrogen metabolism, and sulfur metabolism.
Form	Supplied as a 0.2 µM filtered solution of PBS, pH 7.4
AA Sequence	MGSSHHHHHHSSGLVPRGSHMADKKLDTQLVNAGRSKKYTLGAVNSVIQRASSLV FDSVEAKKHA TRNRANGELFYGRRGTLTHTFSLQQAMCELEGGAGCVLFPCGAAAV ANSILAFIEQGDHVLMTNTA YEPSQDFCSKILSKLGVTTSWFDPLIGADIVKHLQPNT KIVFLESPGSITMEVHDVPAIVA AVRS VVPDAIMIDNTWAAGVLFKALDFGIDVSIQA ATKYLVGHS DAMIGTAVCNARCWEQLRENAYLM GQMVDADTAYITSRGLRTLGV LRQHHESSLKVAEWLA EHPQVARVNHPALPGSKGHEFWKRDFT GSSGLFSFVLKK

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KLNNEELANYLDNFSLSMAYSWGGYESLILANQPEHIAAIRPQGEIDFSGTL IRLHIG
LEDVDDLIADLDAGFARIV

Endotoxin

Less than 0.1 ng/g (1 IEU/g).

Purity

Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Storage

Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

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