

Recombinant E.coli MsrB, His-tagged

Cat. No. msrB-980E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli msrB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques(1-137aa).
Species	E.coli
Source	E.coli
Description	MsrB, also known as, methionine sulfoxide reductase B from Escherichia coli, belongs to the msrB Met sulfoxide reductase family. E.coli msrB carries out the reduction of methionine-R-sulfoxide to methionine. This protein possess a metal binding site composed of two CXXC motifs. The bound metal (zinc or iron) may stabilize the conformation of the enzymes.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol; 0.1M NaCl,1mM DTT
Molecular Weight	17.6 kDa (157aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MANKPSAEEL KKNLSEMQFY VTQNHGTEPP FTGRLLHNKR DGVYHCLICD APLFHSQTKY DSGCGWPSFYEPVSEESIRY IKDLSHGMQR IEIRCGNCDA HLGHVFPDGP QPTGERYCVN SASLRFTDGE NGEEING

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION**Gene Name**

[msrB](#) methionine sulfoxide reductase B [*Escherichia coli* str. K-12 substr. MG1655]

Synonyms

msrB; methionine sulfoxide reductase B; ECK1776; JW1767; EC 1.8.4.12

Gene ID

[947188](#)

Protein Refseq

[NP_416292](#)

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