

## Recombinant E.coli MsrB, His-tagged

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

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | 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).                                                                                                                                                                                                     |
| <b>Species</b>                  | E.coli                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol; 0.1M NaCl,1mM DTT                                                                                                                                                                                                                                                                                      |
| <b>Molecular Weight</b>         | 17.6 kDa (157aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>                   | > 95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>            | 1.0 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                             |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MANKPSAEEL KKNLSEMQFY VTQNHGTEPP<br>FTGRLLHNKR DGVYHCLICD APLFHSQTKY DSGCGWPSFYEPVSEESIRY<br>IKDLSHGMQR IEIRCGNCDA HLGHVFPDGP QPTGERYCVN SASLRFTDGE<br>NGEEING                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA