

# Product information

**msrB, 1-137 aa**

*E.coli*, His-tagged, Recombinant, *E.coli*

**Cat. No. IBATGP1026**

**Full name:** Methionine sulfoxide reductase B

**NCBI Accession No.:** NP\_416292

**Synonyms:** ECK1776, JW1767, yeaA

**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. Recombinant *E. coli* msrB protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

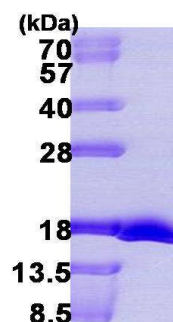
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

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)



15% SDS-PAGE (3ug)

**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MANKPSAEEL KKNLSEMQFY VTQNHGTEPP FTGRLLHNKR DGVYHCLICD APLFHSQTKY DSGCGWPSFY  
EPVSEESIRY IKDLSHGMQR IEIRCGNCDA HLGHVFPDGP QPTGERYCVN SASLRFTDGE NGEEING

**General references:**

Zheung D. *et al.* (2003) *J. Biomol. NMR.* 27:183-184

Weissbach H. *et al.* (2002) *Arch. Biochem. Biophys.* 397: 172-178

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**