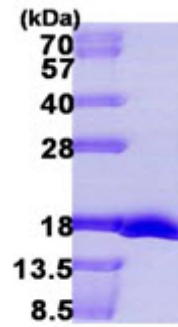


AR09966PU-N**E. coli msrB (1-137, His-tag) - Purified**

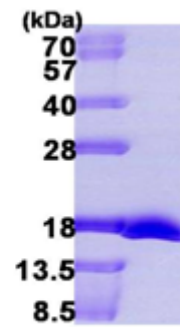
Alternate names:	Peptide methionine sulfoxide reductase MsrB, Peptide-methionine (R)-S-oxide reductase, yeaA
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	MsrB, also known as methionine sulfoxide reductase B from Escherichia coli, belongs to the msrB Met sulfoxide 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.
Uniprot ID:	P0A746
NCBI:	AP_002397
GeneID:	947188
Species:	E. coli
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant E. coli msrB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MANKPSAEEL KKNLSEMQFY VTQNHGTEPP FTGRLLNKR DGVYHCLICD APLFHSQTKY DSGCGWPSFY EPVSEESIRY IKDLSHGMQR IEIRCGNCDA HLGHVFPDGP QPTGERYCVN SASLRF ² TDGE NGEERING Molecular weight: 17.6 kDa (157aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Zheung D. et al. (2003) J. Biomol. NMR. 27:183-184. Weissbach H. et al. (2002) Arch.Biochem.Biophys. 397: 172-178.

Pictures:



15% SDS-PAGE (3ug)

Recombinant E.coli msrB, 1-137 aa, His-tagged



15% SDS-PAGE (3ug)