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<b>Name</b>	MSRA E.Coli
<b>Description</b>	Methionine Sulfoxide Reductase B E.Coli Recombinant
<b>Pricings</b>	20µg (\$475)
<b>Shipped</b>	Shipped with Ice Packs
<b>Catalogue Number</b>	LTP3734

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## SYNONYMS

Peptide methionine sulfoxide reductase MsrB, Peptide-methionine (R)-S-oxide reductase, msrB, yeaA, b1778, JW1767.

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## INTRODUCTION

Methionine sulfoxide reductase B (MsrB) from Escherichia coli is a member of the msrB Met sulfoxide reductase family. The E.coli msrB carries out the reduction of methionine-R-sulfoxide to methionine. msrB possess a metal binding site composed of 2 CXXC motifs. The bound metal (zinc or iron) may stabilize the conformation of the enzymes.

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## DESCRIPTION

MSRB produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids (1-137 a.a.) and having a molecular mass of 17.6kDa.

MSRB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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## SOURCE

Escherichia Coli.

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## PHYSICAL APPEARANCE

Sterile filtered colorless solution.

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## FORMULATION

MSRB protein solution (1mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.

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## STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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## PURITY

Greater than 95.0% as determined by SDS-PAGE.

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## AMINO ACID SEQUENCE

MGSSHHHHHH SSGLVPRGSH MANKPSAEEL KKNLSEMQFY VTQNHGTEPP FTGRLLHNKR DGVYHCLICD  
APLFHSQTKY DSGCGWPSFY EPVSEESIRY IKDLSHGMR IEIRCGNCDA HLGHVFPDGP QPTGERYCVN  
SASLRFTDGE NGEENG.

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## SAFETY DATA SHEET

SDS (Upon request)

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## USAGE

LifeTein's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.