Name	MSRA E.Coli
Description	Methionine Sulfoxide Reductase A E.Coli Recombinant
Pricings	5µg ($475)
Shipped	Shipped with Ice Packs
Catalogue Number	LTP3735

SYNONYMS

Peptide methionine sulfoxide reductase MsrA, Protein-methionine-S-oxide reductase, Peptide-methionine (S)-S-oxide reductase, Peptide Met(O) reductase, msrA, pms, b4219, JW4178.

INTRODUCTION

Peptide methionine sulfoxide reductase A (msrA) is an enzyme which catalyzes the reversible oxidation-reduction of methionine sulfoxide in proteins to methionine. MSRA may have a significant function as a repair enzyme for proteins which have been inactivated by oxidation.

DESCRIPTION

MSRA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 232 amino acids (1-212 a.a.) and having a molecular mass of 25.4kDa.
MSRA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

SOURCE

Escherichia Coli.

PHYSICAL APPEARANCE

Sterile filtered colorless solution.

FORMULATION

MSRA protein solution (0.5mg/ml) 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

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.

PURITY

Greater than 90.0% as determined by SDS-PAGE.

AMINO ACID SEQUENCE

MGSSHHHHHH SSGLVPRGSH MSLFDKKHLV SPADALPGRN TPMPVATLHA VNGHSMTNVP DGMEIAIFAM GCFWGVERLF WQLPGVYSTA AGYTGGYTPN PTYREVCSGD TGHAEAVRIV YDPSVISYEQ LLQVFWENHD PAQGMRQGND HGTQYRSAIY PLTPEQDAAA RASLERFQAA
MLAADDDRHI TTEIANATPF YYAEDDHQQY LHKNPYGYCG IGGIGVCLPP EA.

SAFETY DATA SHEET

SDS (Upon request)

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.