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MSRA E.Coli

Catalog #:ENPS-136

For research use only.

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.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

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

Purity: Greater than 90.0% as determined by SDS-PAGE.

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.

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

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.

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