

32-2565: MSRA Recombinant Protein

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 5 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : MSRA protein solution (0.5mg/ml) 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MSLFDKKHLV SPADALPGRN TPMPVATLHA VNGHSMTNVP
 DGMEIAIFAM GCFWGVRLF WQLPGVYSTA AGYTGGYTPN PTYREVCSDG TGHAEA VRIV YDPSVISYEQ
 LLQVFWENHD PAQGMROGND HGTQYRSAIY PLTPEQDAAA RASLERFQAA MLAADDDRHI TTEIANATPF
 YYAEDDHQQY LHKNPYGYCG IGGIGVCLPP EA.

