

**msrA, 1-212aa, E.coli, His tag, E.coli**

**Cat.NO.: TP03034**

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3th Edition

**Synonyms:**Peptide methionine sulfoxide reductase A, ECK4215, JW4178, pms, pmsR, peptide-methionine (S)-S-oxide reductase

**Description:**Peptide methionine sulfoxide reductase A, also known msrA, is an enzyme that catalyzes the reversible oxidation-reduction of methionine sulfoxide in proteins to methionine. This protein could have an important function as a repair enzyme for proteins that have been inactivated by oxidation. Recombinant E.coli msrA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**25.4 kDa (232aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSLFDKKHLVSPADALPGRNTPMPVATLHAVNGHSMTNVPDGMEIAIFAMGCFW  
GVERLFWQLPGVYSTAAGYTGGYTPNPTYREVCSGDTGHAEAVRIVYDPSVISYEQLLQVFWENHDP AQGMRQG  
NDHGTQYRSAIYPLTPEQDAAARASLERFQAAMLAADDDRHITEIANATPFYEAEDDHQQYLHKNPYGYCGIGGIG  
VCLPPEA

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay )

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.