NKMAXBio We support you, we believe in your research

Recombinant e.coli msrA protein

Catalog Number: ATGP1036

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-212aa

UniProt No.
P0A744

NCBI Accession No.
NP_418640

Alternative Names
Peptide methionine sulfoxide reductase A, ECK4215, JW4178, pms, pmsR, peptide-methionine (S)-S-oxide reductase

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant e.coli msrA protein

Catalog Number: ATGP1036

Amino acid Sequence

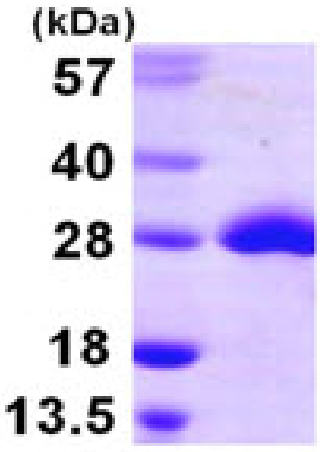
MGSSHHHHHH SSGLVPRGSH MSLFDKKHLV SPADALPGRN TPMPVATLHA VNGHSMTNVP DGMEIAIFAM GCFWGVERLF WQLPGVYSTA AGYTGGYTPN PTYREVCSGD TGHAEAVRIV YDPSVISYEQ LLQVFWENHD PAQGMRQGND HGTQYRSAIY PLTPEQDAAA RASLERFQAA MLAADDDRHI TTEIANATPF YYAEDDHQQY LHKNPYGYCG IGGIGVCLPP EA

General References

Kuschel L., et al. (1999) FEBS Letts.1:17-21.
Gabbita S., et al. (1999) J Neurochem. 4:1660-1666.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.