Recombinant Human MSRB2, 21-182 aa, His-tagged

Cat. No. MSRB2-936H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MSRB2 protein, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography. MW = 19.5 kDa(183a).
Species	Human
Source	E.coli
Description	MSRB2 is one of the methionine sulfoxide reductases(MSRs) family, the antioxidant repair enzymes. This protein catalyzes the reduction of free and protein-bound methionine sulfoxide to methionine. It may have a role in protecting against oxidative stress in many organs.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 0.1 mM PMSF, 10% Glycerol.
Purity	> 90% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MVRGQAGGGG PGTGPGLGEA GSLATCELPL AK SEWQKKLT PEQFYVTREK GTEPPFSGIY LNNKEAGMYHCVCCDSPLFS SEKK YCSGTG WPSFSEAHGT SGSDESHTGI LRRLDTSLGS ARTEVVCKQC EAHL GHVFPD GPGPNGQRFC INSVALKFKPRKH.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	MSRB2 methionine sulfoxide reductase B2 [Homo sapiens]
Synonyms	MSRB2; methionine sulfoxide reductase B2; CBS1; MSRB; PILB; CBS-1; CGI-131; MGC26104; pilin-like transcription factor; methionine-r-sulfoxide reductase B2 variant 1; methionine-r-sulfoxide reductase B2 variant 3; EC 1.8.4.-; CBS-1; OTTHUMP00000019305; methionine sulfoxide reductase B; Methionine-R-sulfoxide reductase B2, mitochondrial
Gene ID	22921
mRNA Refseq	NM_012228
Protein Refseq	NP_036360
MIM	17606
UniProt ID	Q9Y3D2
Chromosome Location	10p12
Function	metal ion binding; oxidoreductase activity; peptide-methionine-(S)-S-oxide reductase activity; protein-methionine-R-oxide reductase activity; transcription factor activity; zinc ion binding

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