

Recombinant Human MSRB3, His-tagged

Cat. No. MSRB3-29917TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MSRB3 with His tag, MWt 22.5 kDa.
Species	Human
Source	E.coli
Description	The protein encoded by this gene catalyzes the reduction of methionine sulfoxide to methionine. This enzyme acts as a monomer and requires zinc as a cofactor. Several transcript variants encoding two different isoforms have been found for this gene. One of the isoforms localizes to mitochondria while the other localizes to endoplasmic reticula.
Conjugation	HIS
Tissue specificity	Widely expressed.
Biological activity	Activity: 1 nmol of MSRB3-29917TH will reduce 2 nmol peptide-bound Met-S-sulfoxide in 1 min at 37°C. MetO-containing peptides are reduced by the enzyme in the presence of DTT.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 33% Glycerol, 0.1M Tris HCl, pH 7.4

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the MsrB Met sulfoxide reductase family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	MSRB3 methionine sulfoxide reductase B3 [Homo sapiens]
Official Symbol	MSRB3
Synonyms	MSRB3; methionine sulfoxide reductase B3; deafness, autosomal recessive 74 , DFNB74; methionine-R-sulfoxide reductase B3; DKFZp686C1178; FLJ36866;
Gene ID	253827
mRNA Refseq	NM_001031679
Protein Refseq	NP_001026849
MIM	613719
Uniprot ID	Q8IXL7
Chromosome Location	12q14.3
Function	metal ion binding; oxidoreductase activity; peptide-methionine-(S)-S-oxide reductase activity; protein-methionine-R-oxide reductase activity; zinc ion binding;

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