

## Product datasheet for **AR09753PU-L**

### **MSRB2 (21-182, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	MSRB2 (21-182, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<u><a href="#">MGSSHHHHHH SSGLVPRGSH MVRGQAGGGG PGTGPGLGEA GSLATCELPL AKSEWQKKLT PEQFYVTREK GTEPPFSGIY LNNKEAGMYH CVCCDSPLFS SEKKYCSGTG WPSFSEAHGT SGSDSHTGI LRRLDTSLSG ARTEVCKQC EAHLGHVFPD GPGPNGQRFC INSVALKFKP RKH</a></u>
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	19.5 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90%
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 0.1 mM PMSF, 10% Glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human MSRB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u><a href="#">NP_036360</a></u>
<b>Locus ID:</b>	22921
<b>UniProt ID:</b>	<u><a href="#">Q9Y3D2</a></u>
<b>Cytogenetics:</b>	10p12.2
<b>Synonyms:</b>	CBS-1; CBS1; CGI-131; MSRB; PILB



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**Summary:**

Methionine-sulfoxide reductase that specifically reduces methionine (R)-sulfoxide back to methionine. While in many cases, methionine oxidation is the result of random oxidation following oxidative stress, methionine oxidation is also a post-translational modification that takes place on specific residue. Upon oxidative stress, may play a role in the preservation of mitochondrial integrity by decreasing the intracellular reactive oxygen species build-up through its scavenging role, hence contributing to cell survival and protein maintenance. [UniProtKB/Swiss-Prot Function]

**Protein Families:**

Transcription Factors

**Product images:**