

# Recombinant human MSRB2 protein

Catalog Number: ATGP0813

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

21-182aa

### UniProt No.

Q9Y3D2

### NCBI Accession No.

NP\_036360

### Alternative Names

Methionine sulfoxide reductase B2, CBS-1, CBS1, CGI-131, MSRB, PILB

## PRODUCT SPECIFICATION

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### Molecular Weight

19.5 kDa (183a) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 0.1mM PMSF, 10% glycerol

### 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

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### 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. Recombinant human MSRB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MVRGQAGGGG PGTGPGLGEA GSLATCELPL AKSEWQKKLT PEQFYVTREK GTEPPFSGIY

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LNNKEAGMYH CVCCDSPLFS SEKKYCSGTG WPSFSEAHGT SGSDESHTGI LRRLDTSLGS ARTEVVCKQC EAHLGHVFPD  
GPGPNGQRFC INSVALKFKP RKH

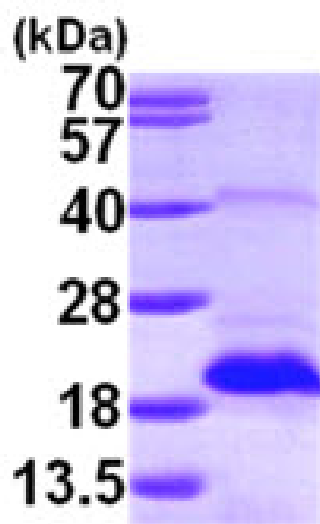
## General References

Thiele JJ., et al. (2009). Am J Dermatopathol. 31(5):427-31.

Petropoulos I., et al. (2008). J Biol Chem. 283(24):16673-81

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)