

Recombinant human MSRB2 protein

Catalog Number: ATGP0813

PRODUCT INFORMATION

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

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

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

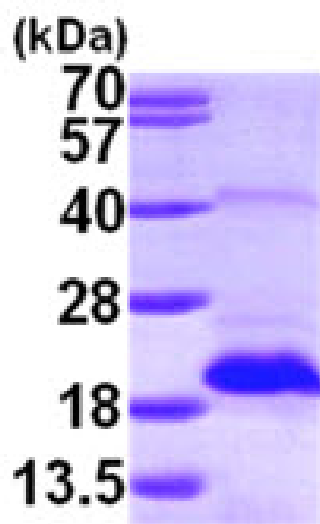
General References

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)