

Active Recombinant Human MSRB2 Protein, His tagged

Cat. No. MSRB2-17H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MSRB2 protein [accession # Q9Y3D2 (MSRB2_HUMAN)] has been produced and purified from a bacterial expression system. The recombinant protein is N-terminally 6×His tagged and is comprised of amino acids 42-182.
Species	Human
Source	Bacteria
ProteinLength	42-182 aa
Description	Predicted to enable actin binding activity; peptide-methionine (R)-S-oxide reductase activity; and zinc ion binding activity. Predicted to be involved in actin filament polymerization and protein repair. Located in mitochondrion.
Tag	N-6×His
Form	White lyophilized powder
Bio-activity	Effective MsrB2 + DTT reduction of MICAL-oxidized actin will enhance subtilisin A cleavage of MICAL-oxidized actin at M47/G48 by > 90%. Whereas DTT alone will not affect subtilisin cleavage.
Molecular Mass	17 kDa
Purity	> 90%

 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

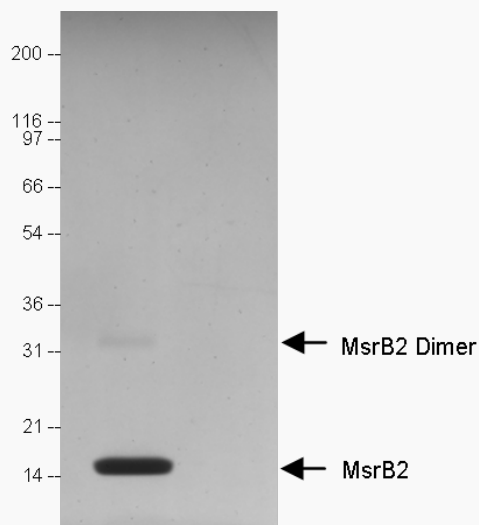
Storage	The lyophilized protein can be stored desiccated at 4 centigrade for 6 months. For reconstitution, the product tube should be briefly centrifuged to collect the powder to the bottom of the tube.
Storage Buffer	When reconstituted with 1 ml of water, the final buffer composition is 10 mM Tris pH 8.0, 50 mM NaCl, 2.5% sucrose, and 0.5% dextran. We recommend that you make 10 µL aliquots, flash freeze, and store at –70 centigrade.
Shipping	Shipped at ambient temperature.
GENE INFORMATION	
Gene Name	MSRB2 methionine sulfoxide reductase B2 [Homo sapiens (human)]
Official Symbol	MSRB2
Synonyms	MSRB2; methionine sulfoxide reductase B2; methionine-R-sulfoxide reductase B2, mitochondrial; pilin-like transcription factor; EC 1.8.4.12; EC 1.8.4.14; CBS1; MSRB; PILB; CBS-1; CGI-131
Gene ID	22921
mRNA Refseq	NM_012228
Protein Refseq	NP_036360
MIM	613782
UniProt ID	Q9Y3D2

 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

MsrB2 Protein Purity Determination



A 10 µg sample of MsrB2 protein was separated by electrophoresis in a 4-20% tris-glycine gel and stained with Coomassie Blue. Protein quantitation was performed using the Precision Red™ Protein Assay Reagent.

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