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Product datasheet for TP315002L

MSRB2 (NM_012228) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human methionine sulfoxide reductase B2 (MSRB2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215002 representing NM_012228 Red=Cloning site Green=Tags(s) MGAGAETGRGQRAAAPERRHGRLLWLLRGLTLGTAPRRAVRGQAGGGGPGTAGIVGEAGSLATCELPLAK SEWQKKLTPEQFYVTREKGTEPPFSGIYLNNKEAGMYHCVCCDSPLFSSEKKYCSGTGWPSFSEAHGTSG SDESHTGILRRLDTSLGSARTEVVCKQCEAHLGHVFPDGPGPNGQRFCINSVALKFKPRKH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	19.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036360
Locus ID:	22921
UniProt ID:	Q9Y3D2
RefSeq Size:	903

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Cytogenetics: 10p12.2

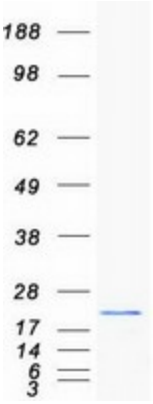
RefSeq ORF: 603

Synonyms: CBS-1; CBS1; CGI-131; MSRB; PILB

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:



Coomassie blue staining of purified MSRB2 protein (Cat# [TP315002]). The protein was produced from HEK293T cells transfected with MSRB2 cDNA clone (Cat# [RC215002]) using MegaTran 2.0 (Cat# [TT210002]).