

Product datasheet for **TP315002**

MSRB2 (NM_012228) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human methionine sulfoxide reductase B2 (MSRB2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC215002 representing NM_012228
Red=Cloning site **Green**=Tags(s)

MGAGAETGRGQRAAAPERRHGRLLWLLRGLTLGTAPRRRAVRGQAGGGPGTAGIVGEAGSLATCELPLAK
SEWQKLTPEQFYVTREKGTPEPPFSGIYLNKEAGMYHCVCCDSPLFSSEKKYCSGTGWPSFSEAHGTSG
SDESHTGILRRLDTSLSARTEVVKQCEAHLGHVFPDGPNGQRFCINSVALFKFKPRKH

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](#)

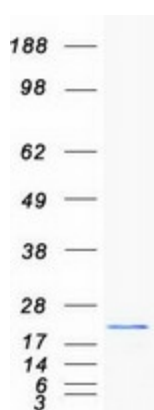
RefSeq Size: 903



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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]).