

Product datasheet for **TP315002M**

MSRB2 (NM_012228) Human Recombinant Protein

Product data:

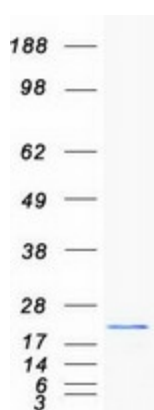
| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human methionine sulfoxide reductase B2 (MSRB2), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC215002 representing NM_012228 Red =Cloning site Green =Tags(s) |
| | MGAGAETGRGQRAAAPERRHGRLLWLLRGLTLGTAPRRRAVRGQAGGGPGTAGIVGEAGSLATCELPLAK SEWQKLTPEQFYVTREKGTPEPPFSGIYLNKEAGMYHCVCCDSPLFSSEKKYCSGTGWPSFSEAHGTSG SDESHTGILRRDLTSLGSARTEVVKQCEAHLGHVFPDGPNGQRFCINSVALFKFKPRKH 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 |



[View online »](#)

| | |
|-------------------|---|
| 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]).