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# Product datasheet for TP501534

## Msrb2 (NM_029619) Mouse Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Mouse methionine sulfoxide reductase B2 (Msrb2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| **Species:** | Mouse |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >MR201534 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MARLLRALRGLPLLQAPGRLARGCAGSGSKDTGSLTKSKRSLSEADWQKKLTPEQFYVTREKGTEAPFSG MYLNNKETGMYHCVCCDSPLFSSEKKYCSGTGWPSFSEAYGSKGSDESHTGILRRLDTSLGCPRMEVVCK QCEAHLGHVFPDGPKPTGQRFCINSVALKFKPSKP<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-MYC/DDK |
| **Predicted MW:** | 19.2 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 |
| **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 after receiving vials. |
| **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_083895 |
| **Locus ID:** | 76467 |
| **UniProt ID:** | Q78J03 |
| **RefSeq Size:** | 1204 |
| **Cytogenetics:** | 2 A3 |

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|---|---|
| **RefSeq ORF:** | 528 |
| **Synonyms:** | 2310050L06Rik; Mrsb; 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] |