

Recombinant Mouse Msrb2 Protein, Myc/DDK-tagged

Cat. No. Msrb2-4196M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length methionine sulfoxide reductase B2 (Msrb2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	19.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Msr 2 methionine sulfoxide reductase B2 [Mus musculus (house mouse)]
Official Symbol	Msr 2
Synonyms	MSRB2; methionine sulfoxide reductase B2; methionine-R-sulfoxide reductase B2, mitochondrial; pilin-like transcription factor; Mrsb; Msr b ; Pilb; 2310050L06Rik
Gene ID	76467
mRNA Refseq	NM_029619
Protein Refseq	NP_083895
UniProt ID	Q78J03

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