

Recombinant Mouse Prdx5 Protein, Myc/DDK-tagged

Cat. No. Prdx5-5104M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peroxiredoxin 5 (Prdx5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites may result in use of alternate in-frame translation start codons that generate alternate isoforms that are targeted to the mitochondrion or peroxisome/cytoplasm.
Molecular Mass	21.9 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name Prdx5 peroxiredoxin 5 [Mus musculus (house mouse)]

Official Symbol Prdx5

Synonyms

PRDX5; peroxiredoxin 5; peroxiredoxin-5, mitochondrial; PLP; prx-V; peroxiredoxin 6; peroxiredoxin V; thioredoxin reductase; antioxidant enzyme B166; thioredoxin peroxidase PMP20; peroxisomal antioxidant enzyme; peroxisomal membrane protein 20; liver tissue 2D-page spot 2D-0014IV; AOPP; PrxV; Pmp20; Prdx6; AOEB166

Gene ID 54683

mRNA Refseq NM_012021

Protein Refseq NP_036151

UniProt ID P99029

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