

## Product datasheet for **TP503677**

### Prdx4 (NM\_016764) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse peroxiredoxin 4 (Prdx4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203677 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEARSKLLDGTTASRRWTRKLVLLLPPLLFLLRTEESLQGLSDERFRTRENECHFVYAGGQVYPGEASRV  
SVADHSLHLSKAKISKPAPYWEGTAVINGEFKELKLTDIRGKYLVFFFYPLDFTFVCPTEIIAFGDRIIE  
FKSINTEVVACSVDSQFTHLAWINTPRRQGGGLGPIRIPLLSDLNHQISKDYGVYLED SGHTLRGLFIIDD  
KGVLRQITLNDLPVGRSVDLRLVQAFQYTDKHGEVCPAGWKPGSETIIPDPAGKLYFDKLN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	31.5 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:	<a href="#">NP_058044</a>
Locus ID:	53381
UniProt ID:	<a href="#">O08807</a>
RefSeq Size:	975



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<b>Cytogenetics:</b>	X 72.38 cM
<b>RefSeq ORF:</b>	825
<b>Synonyms:</b>	AOE372; Prx-iv; Prx4; TRANK
<b>Summary:</b>	Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events (PubMed:11229364). Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]