

## Product datasheet for TP502605

### Prdx6 (BC013489) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse peroxiredoxin 6 (cDNA clone MGC:19131 IMAGE:4215591), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202605 protein sequence Red=Cloning site Green=Tags(s)
	MPGGLLLGDEAPNFEANTTIGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGRAAKLAPEFAKRNVKLIA LSIDSVEDHLAWSKDINAYNGETPTEKLPFPIIDDKGRDLAILLGMLDPVEKDANNMPVTARVVFIFGPD KKLKSILYPATTGRNFDEILRVVDSLQLTGTKPVATPVDWKKGESVMVPTLSEEEAKQCFPKGVTKE LPSGKKYLRYPQP
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	24.8 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.
Locus ID:	11758
UniProt ID:	<a href="#">O08709</a>
RefSeq Size:	1440



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<b>Cytogenetics:</b>	1 69.75 cM
<b>RefSeq ORF:</b>	672
<b>Synonyms:</b>	Prdx6-rs3, Aop2-rs3, GPx, aiPLA2, Prdx5, CP-3, ORF06, 1-cysPrx, mKIAA0106
<b>Summary:</b>	<p>This gene encodes a member of the peroxiredoxin family of peroxidases. The encoded protein is a bifunctional enzyme that has glutathione peroxidase and phospholipase activities. This protein is an antioxidant that reduces peroxidized membrane phospholipids and plays an important role in phospholipid homeostasis based on its ability to generate lysophospholipid substrate for the remodeling pathway of phospholipid synthesis. Mice lacking this gene are sensitive to oxidant stress, have altered lung phospholipid metabolism and susceptible to skin tumorigenesis. Alternate splicing of this gene results in multiple transcript variants. A pseudogene of this gene is found on chromosome 4. [provided by RefSeq, Dec 2014]</p>