

Product datasheet for MC203805

Prdx6 (NM_007453) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdx6 (NM_007453) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prdx6
Synonyms:	1-cys; 1-Cys Prx; 1-cysPrx; 9430088D19Rik; a; AA690119; aiPLA2; Aop2; Brp-; Brp-12; CP-; CP-3; GP; GPx; LPCAT-5; Ltw; Ltw-; Ltw-4; Ltw4; Lvtw; Lvtw-4; N; NSGPx; ORF06; Prdx5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC013489

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CACTGCCGCCATGCCCGGAGGGTTGCTTCTCGGGGACGAAGCCCCCAACTTTGAGGCCAATACCACCATC
GGCCGCATCCGCTTCCACGATTTCTGGGAGATTATGGGGCATTCTCTTTCCACCCACGGGACTTTA
CCCCAGTGTGCACCACAGAAGTGGCAGAGCTGCAAAGCTGGCGCCAGAGTTGCCAAGAGGAATGTTAA
GTTGATTGCTCTTTCAATAGACAGTGTGAGGATCATCTTGCCTGGAGCAAGACATCAATGCTTACAAT
GGTGAAACACCCACGGAAAAGTTGCCATTTCCCATCATTGATGATAAGGGCAGGGACCTTGCCATCCTTT
TGGGCATGTTGGATCCAGTCGAGAAGGACGCTAACAACATGCCTGTGACGGCCCGTGTGGTGTTCAATTT
TGGCCCTGACAAGAACTGAAGCTGTCTATCCTTACCCTGCCACCACGGGCAGGAACTTTGATGAGATT
CTCAGAGTGGTTGACTCTCTCCAGCTGACAGGCACAAAGCCGGTTGCCACCCAGTTGACTGGAAGAAGG
GAGAGAGCGTGATGGTAGTTCCACCCCTCTCCGAAGAGGAAGCCAAACAATGTTTCCCTAAAGGAGTCTT
CACCAAAGAGCTCCCGTCTGGCAAAAAATACCTCCGTTATACACCCAGCCTTAAGTCTTTGCGGAAAT
GGGGCTGCATCTGCACATCCAGTACTGGGGCTGAGGATGTCAGCTGGCAGCCGTGGGTCTTGCAGCAG
GTCCGTAGAAAGATCGTGGCATGATCACAGCCGGTCTGTAGATCGCTCGCTATACTACTGGGTCATTAA
ATGGAAATGGCACCAAAACCTTCTCGGGATTCTTTACTCTGTGCCTTCGCCAGCATTCTGCCCTCTGCC
TGTACAGTGCCTACTGACTGGCTCTCTTTGAAACGAATTATGTATTGAAGATTCTTAGTCTCTGTA
GGGTCTTTGATCAGCAACAAGGTAGTGTGAGTGGGCTCTGTGCTAGAATGATGAAACACCTTTTGTA
TCTTTCCGAAGTAACTTCTGTTACCCATTTTGGAGAGCACTGACATAGGGAGAAGCTTTGATTTCTGT
ATTTTGTAGTAAATAAAAAGTGGGGACAGCCGGGAGAATCTTACAGGGAATCTATTGTAAGTTTCTATCG
AAGTGGGCTCAGAAAGCCTTTTCGCTCCCAAGAGTGGCGCATGTACCTCCTAGAGTTTCCACATCTGCTCT
CTGGTGTGTCTGCCTGTGAACGCACCTTATAAAAGACGGGCGGTGACAGTGTTTTACCAGTGTGTC
TAGTAGTGGGTGGCCATTTCTGAATTCTGCTTTTGGAGTTCAACAAATAAAATCCTGATCAGAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	RsrII-NotI
ACCN:	NM_007453



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Insert Size:	675 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC013489</u> , <u>AAH13489</u>
RefSeq Size:	1440 bp
RefSeq ORF:	675 bp
Locus ID:	11758
UniProt ID:	<u>O08709</u>
Cytogenetics:	1 69.75 cM
Gene Summary:	<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> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>