

Product datasheet for MC207185

Prdx6b (NM_177256) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Prdx6b
Synonyms:	1-cysPrx-PI; 4930414C22Rik; Aop2-rs1; Prdx5-rs1; Prdx6-ps1; Prdx6-rs1; Prdx6-rs1-ps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>MC207185 representing NM_177256 Red=Cloning site Blue=ORF Orange=Stop codon</p> <p>TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC</p> <p>ATGCCCGGAGGGTTGCTTCTCGGGGAAGAAGCCCCGACTTTGAGGCCAATACCACCATCGGCCGTATCCGCTTCACGATTTCTGGGAAATTCATGGGCGATGCTCTTTCCACCCAAAGGACTTTACCCCTGTGTGTACCACAGAACTTGGTAGAGCTGCAAAGCTGGCGCCAGAGTTGCCAAGAGGAATGTTAAGTTGATTGCACTTTCAGTAGATAGTGTGAGGATCATCTTGCTGGAGCAAGGACATCAATGCTTACAATGGTGCAACACCCAAAGAAAAGTTGCCATTTCCCATTCATTGATGATAAGGACAGGGACATTCCATCCTTTTCTGCATGTTGGATCCAGTAGAGAAGGATGCTAACAGCATGCCTCTGACGGCCCGGGGGGTGTTCAATTTTGGCCCTGACAAGAACTAAAGATGTCTCTCTCTACCCTAACTCCACGGGCAGGAACCTTGATGAGATTCTCAGAGTGATTGACTCTCTCCAGCTGACAGAAACAAAGCCGGTTGCCACCCAGTTGATTGGAAGAAGGGAGAGAGCGTGATGGTCCTTCCCGACCTCCCCGAAGAGGAAGCCAAACGATGTTTCCCTAAAGGAATCTCCACCACAAAGCTCCCGTCTGGCAAAAATTACCTCCGTTATACACCCAGCCTTAA</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p>
Restriction Sites:	SgfI-MluI
ACCN:	NM_177256
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_177256.5, NP_796230.1</u>
RefSeq Size:	2889 bp
RefSeq ORF:	675 bp
Locus ID:	320769
Cytogenetics:	2 48.03 cM
Gene Summary:	<p>This intronless gene is similar to the multi-exon peroxiredoxin 6 gene located on chromosome 1. It is transcribed and the ORF is intact compared to that of the peroxiredoxin 6 gene. This gene could be considered a transcribed pseudogene based on a failure to detect the protein in vivo in PMID:14644414. However, NCBI is representing the protein due to mass spectrometry data in PMID:18614015, which detected at least one peptide that is specific for this protein. [provided by RefSeq, Mar 2011]</p>