

Product datasheet for **RN208195**

Prdx1 (NM_057114) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prdx1 (NM_057114) Rat Untagged Clone
Tag: Tag Free
Symbol: Prdx1
Synonyms: Hbp23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208195 representing NM_057114
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTTCAGGAAATGCAAAAATGGGCATCCTGCTCCAGCTTCAAAGCCACGGCTGTTATGCCGGATG
 GACAATCAAAGATATCAGCCTAAGTGATTACAAAGGAAAATATGTTGTATTCTTTTTTACCCTCTTGA
 CTTTACTTTTGTGTGCCACGGAGATCATTGCTTTCAGTGATAGAGCAGAAGAATTAAGAACTCAAC
 TGCCAAGTGATTGGAGCTTCTGTGGATTCTCACTTCTGTGATCTGGCATGGATTAAACACACCCAAGAAAC
 AAGGAGGATTGGACCCATGAACATTCCCTTGGTATCAGATCCCAAGCGCACCATTTGCTCAGGATTATGG
 AGTCTTAAAAGCTGATGAAGGTATCTCTTTTCAAGGGCCTCTTTATTATTGATGATAAAGGTATCCTTCGC
 CAGATAACAATAAATGATCTTCTGTGGCCGCTCTGTGGATGAGATTCTGAGACTAGTCCAGGCCCTCC
 AGTTCACTGACAAACATGGTGAAGTGTGCCAGCTGGCTGGAAACCTGGCAGTGATACCATCAAGCCTGA
 TGTCATAAGAGTAAAGAGTATTTCTCTAAGCAGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_057114
Insert Size: 600 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).



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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>NM_057114.1</u> , <u>NP_476455.1</u>
RefSeq Size:	882 bp
RefSeq ORF:	600 bp
Locus ID:	117254
UniProt ID:	<u>Q63716</u>
Cytogenetics:	5q35
Gene Summary:	binds heme; may act as a thiol peroxidase; may play roles in heme metabolism and in response to oxidative stress [RGD, Feb 2006]