

Product datasheet for **RN211420**

Prdx2 (NM_017169) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prdx2 (NM_017169) Rat Untagged Clone
Tag: Tag Free
Symbol: Prdx2
Synonyms: Tdpx1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211420 representing NM_017169
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTCGGCAACGCGCACATCGGAAAGCCTGCCCTGACTTCACGGGCACCGCCGTGGTGGATGGTG
CCTTTAAGGAAATCAAGCTTTCAGACTACAGAGGGAAGTACGTGGTCCTCTTTTTCTATCCACTGGACTT
CACTTTTGTGGCCACGGAGATCATCGCTTTTAGCGACCACGCTGAGGACTTCCGAAAGCTAGGCTGC
GAGGTGCTGGGAGTGTCTGTGGACTCTCAGTTCACCCACCTGGCCTGGATCAATACCCACGGAAGGAGG
GAGGCTTGGGCCACTGAATATCCCTCTGCTTGCTGATGTGACTAAAAGCTTGTCGCCAGAATTACGGCGT
GTTGAAAATGATGAGGGCATCGCTTACAGGGCCTCTTTATCATCGATGCCAAGGGTGTCTTCGCCAG
ATCACAGTCAACGACCTACCTGTGGGACGCTCTGTAGATGAGGCTCTCCGCTCGTCCAGGCCTTTCAGT
ATACAGATGAGCATGGGGAAGTCTGTCTGTGGCTGGAAGCCCGGCAGTGACACCATCAAACCAATGT
GGATGACAGCAAGGAATACTTCTCCAAACACA**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017169
Insert Size: 597 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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: [NM_017169.1](#), [NP_058865.1](#)

RefSeq Size: 877 bp

RefSeq ORF: 597 bp

Locus ID: 29338

UniProt ID: [P35704](#)

Cytogenetics: 19q11

Gene Summary: protective enzyme against oxidative damage by cellular reactive sulfur species [RGD, Feb 2006]