

Product datasheet for MR203677

Prdx4 (NM_016764) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdx4 (NM_016764) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prdx4
Synonyms:	AOE372; Prx-iv; Prx4; TRANK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203677 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGCGGTCCAAGCTGCTGGACGGGACCACGGCGTCCCCTCGCTGGACCCGAAAGCTGGTGTTC
TCCTGCCCGCGTGTGCTGTTCTGTTGCGGACCGAATCTCTGCAAGGCTTGGAGAGTGATGAACGGTT
CCGGACCCGCGAAAATGAGTGCCACTTCTACGCTGGTGGACAAGGTACCCCGGGAGGCGTCCCGGTT
TCAGTCGCGGATCACTCCCTGCATCTAAGCAAAGCCAAGATCTCCAAGCCAGCACCTTATTGGGAAGGAA
CAGCTGTGATTAACGGAGAATCAAGGAGCTCAAAGTACTGACTATCGTGGGAAATACTGGTTTTTTT
CTTCTACCCACTGGATTTACCTTTGTGTGTCCAAGTAAATCATCGCTTTTGGGGATCGAATTGAAGAA
TTCAAATCTATAAATACTGAAGTGGTAGCATGCTCTGTTGACTCTCAGTTTACCCACTTGGCCTGGATTA
ATACCCCTCGAAGACAAGGAGGACTGGGGCCAATAAGGATTCCACTTCTTTCTGACCTGAACCATCAGAT
CTCAAAGGACTATGGTGTATACCTTGAAGACTCAGGACATACTCTTAGAGGCCTTTTATTATCGATGAC
AAAGGAGTCTGAGGCAGATTACTCTGAATGACCTTCTGTGCGGAAGATCAGTGGACGAGACTGCGTT
TGGTTCAAGCCTCCAGTACACTGACAAGCATGGAGAAGTCTGCCCTGCTGGCTGGAAACCTGGTAGTGA
ACAATAATCCCAGATCCAGCTGGAAAAGTGAAGTATTTTCGACAAGCTAAAC

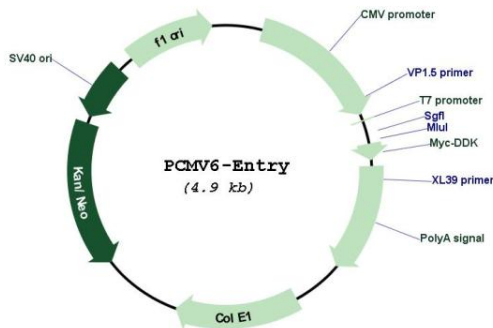
ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

- 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_016764.5](#)
- RefSeq Size:** 975 bp
- RefSeq ORF:** 825 bp
- Locus ID:** 53381
- UniProt ID:** [O08807](#)
- Cytogenetics:** X 72.38 cM
- MW:** 31.1 kDa
- Gene Summary:** Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events (PubMed:11229364). Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203677