

Product datasheet for **MR203677L4V**

Prdx4 (NM_016764) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Prdx4 (NM_016764) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Prdx4 |
| Synonyms: | AOE372; Prx-iv; Prx4; TRANK |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_016764 |
| ORF Size: | 825 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR203677). |
| OTI Disclaimer: | 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 |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_016764.4 |
| RefSeq Size: | 975 bp |
| RefSeq ORF: | 825 bp |
| Locus ID: | 53381 |
| UniProt ID: | O08807 |
| Cytogenetics: | X 72.38 cM |



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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]