

Product datasheet for **RC203330L4V**

Peroxiredoxin 4 (PRDX4) (NM_006406) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Peroxiredoxin 4 (PRDX4) (NM_006406) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Peroxiredoxin 4
Synonyms:	AOE37-2; AOE372; HEL-S-97n; PRX-4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006406
ORF Size:	813 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203330).
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_006406.1
RefSeq Size:	921 bp
RefSeq ORF:	816 bp
Locus ID:	10549
UniProt ID:	Q13162
Cytogenetics:	Xp22.11
Domains:	AhpC-TSA
Protein Families:	Druggable Genome


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MW: 30.5 kDa

Gene Summary: The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq, Jul 2008]