

Product datasheet for **RC221235L2V**

Peroxiredoxin 1 (PRDX1) (NM_002574) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Peroxiredoxin 1 (PRDX1) (NM_002574) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Peroxiredoxin 1
Synonyms:	MSP23; NKEF-A; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002574
ORF Size:	597 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221235).
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_002574.2
RefSeq Size:	1263 bp
RefSeq ORF:	600 bp
Locus ID:	5052
UniProt ID:	Q06830
Cytogenetics:	1p34.1
Domains:	AhpC-TSA
MW:	22.1 kDa



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Gene Summary:

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011]