

Product datasheet for **RC207780L4V**

Peroxiredoxin 6 (PRDX6) (NM_004905) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Peroxiredoxin 6 (PRDX6) (NM_004905) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Peroxiredoxin 6
Synonyms:	1-Cys; aiPLA2; AOP2; HEL-S-128m; LPCAT-5; NSGPx; p29; PRX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004905
ORF Size:	672 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207780).
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_004905.2
RefSeq Size:	1715 bp
RefSeq ORF:	675 bp
Locus ID:	9588
UniProt ID:	P30041
Cytogenetics:	1q25.1
Domains:	AhpC-TSA
Protein Families:	Druggable Genome

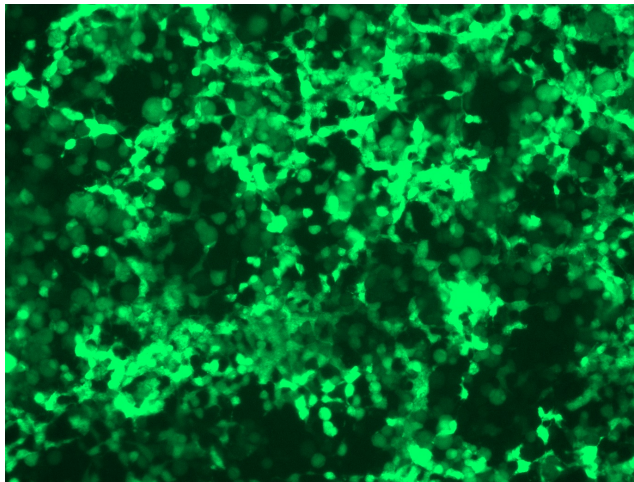

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Protein Pathways: Metabolic pathways, Methane metabolism, Phenylalanine metabolism

MW: 25 kDa

Gene Summary: The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq, Jul 2008]

Product images:



[RC207780L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC207780L4V particle to overexpress human PRDX6-mGFP fusion protein.