

## Product datasheet for **MR224040L1V**

### Prdx5 (NM\_012021) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Prdx5 (NM_012021) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Prdx5
Synonyms:	AOEB1; AOEB166; AOPP; P; PLP; PMP; Pmp20; Prd; Prdx6; PrxV
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_012021
ORF Size:	633 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224040).
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. <a href="#">More info</a>
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:	<a href="#">NM_012021.2</a>
RefSeq Size:	688 bp
RefSeq ORF:	633 bp
Locus ID:	54683
UniProt ID:	<a href="#">P99029</a>
Cytogenetics:	19 5.08 cM



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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 plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites may result in use of alternate in-frame translation start codons that generate alternate isoforms that are targeted to the mitochondrion or peroxisome/cytoplasm. [provided by RefSeq, Nov 2017]