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Product datasheet for RC207085L1V

PARP1 (NM_001618) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PARP1 (NM_001618) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PARP1
Synonyms:	ADPRT; ADPRT 1; ADPRT1; ARTD1; pADPRT-1; PARP; PARP-1; PPOL
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001618
ORF Size:	3042 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207085).
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_001618.2
RefSeq Size:	3859 bp
RefSeq ORF:	3045 bp
Locus ID:	142
UniProt ID:	P09874
Cytogenetics:	1q42.12
Domains:	PARP, BRCT, zf-PARP, PARP_reg
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors

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Protein Pathways: Base excision repair

MW: 112.9 kDa

Gene Summary: This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. [provided by RefSeq, Jul 2008]