

Product datasheet for **RC222240L4V**

PACRG (NM_001080378) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PACRG (NM_001080378) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PACRG
Synonyms:	GLUP; HAK005771; PACRG2.1; PARK2CRG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001080378
ORF Size:	771 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222240).
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_001080378.1 , NP_001073847.1
RefSeq Size:	1585 bp
RefSeq ORF:	774 bp
Locus ID:	135138
UniProt ID:	Q96M98
Cytogenetics:	6q26
Protein Families:	Druggable Genome
MW:	29.3 kDa



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Gene Summary:

This gene encodes a protein that is conserved across metazoans. In vertebrates, this gene is linked in a head-to-head arrangement with the adjacent parkin gene, which is associated with autosomal recessive juvenile Parkinson's disease. These genes are co-regulated in various tissues and they share a bi-directional promoter. Both genes are associated with susceptibility to leprosy. The parkin co-regulated gene protein forms a large molecular complex with chaperones, including heat shock proteins 70 and 90, and chaperonin components. This protein is also a component of Lewy bodies in Parkinson's disease patients, and it suppresses unfolded Pael receptor-induced neuronal cell death. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]