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Product datasheet for RC221147L4V

Parkin (PARK2) (NM_004562) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Parkin (PARK2) (NM_004562) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PRKN
Synonyms:	AR-JP; LPRS2; PARK2; PDJ
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004562
ORF Size:	1395 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC221147).`
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_004562.1
RefSeq Size:	2960 bp
RefSeq ORF:	1398 bp
Locus ID:	5071
UniProt ID:	O60260
Cytogenetics:	6q26
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
MW:	51.5 kDa

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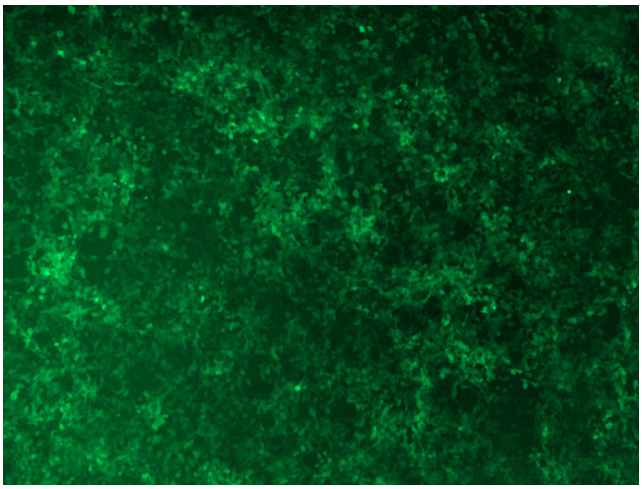
Gene Summary: The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq, Jul 2008]

Product images:



[RC221147L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC221147L4V particle to overexpress human PRKN-mGFP fusion protein.

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