

Product datasheet for RC221147L2V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_004562 **ORF Size:** 1395 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC221147).

Sequence:
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.

RefSeg: NM 004562.1

 RefSeq Size:
 2960 bp

 RefSeq ORF:
 1398 bp

 Locus ID:
 5071

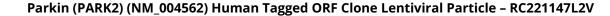
 UniProt ID:
 060260

 Cytogenetics:
 6q26

Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis

MW: 51.5 kDa







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]