

Product datasheet for RC222635L3

OriGene Technologies, Inc.

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Parkin (PARK2) (NM_013987) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Parkin (PARK2) (NM_013987) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: Parkin

Synonyms: AR-JP; LPRS2; PARK2; PDJ

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

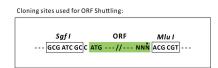
The ORF insert of this clone is exactly the same as(RC222635). **ORF Nucleotide**

Sequence:

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_013987

ORF Size: 1311 bp





Parkin (PARK2) (NM_013987) Human Tagged Lenti ORF Clone - RC222635L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 013987.1</u>

RefSeq Size: 2876 bp
RefSeq ORF: 1314 bp
Locus ID: 5071

UniProt ID: O60260

Cytogenetics: 6q26

Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis

MW: 48.5 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]