

## Product datasheet for SC304027

### Parkin (PARK2) (NM\_013987) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Parkin (PARK2) (NM_013987) Human Untagged Clone
Tag:	Tag Free
Symbol:	Parkin
Synonyms:	AR-JP; LPRS2; PARK2; PDJ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_013987 edited  
 ATGATAGTGTGGTTCAGGTTCAACTCCAGCCATGGTTTCCCAGTGGAGGTCGATTCTGAC  
 ACCAGCATCTTCCAGCTCAAGGAGGTGGTTGCTAAGCGACAGGGGTTCCGGCTGACCAG  
 TTGCGTGTGATTTTCGCAGGGAAGGAGCTGAGGAATGACTGGACTGTGCAGAATTGTGAC  
 CTGGATCAGCAGAGCATTGTTACATTGTGCAGAGACCGTGGAGAAAAGTCAAGAAATG  
 AATGCAACTGGAGGCGACGACCCAGAAACGCGCGGGAGGCTGTGAGCGGGAGCCCCAG  
 AGCTTGACTCGGGTGGACCTCAGCAGCTCAGTCCTCCCAGGAGACTCTGTGGGGTGGCT  
 GTCATTCTGCACACTGACAGCAGGAAGGACTCACCACCAGCTGGAAGTCCAGCAGGTAGA  
 TCAATCTACAACAGCTTTTATGTGTATTGCAAAGGCCCTGTCAAAGAGTGCAGCCGGGA  
 AAACCTCAGGGTACAGTGCAGCACCTGCAGGCAGGCAACGCTCACCTTGACCCAGGAATTT  
 TTCTTTAAATGTGGAGCACACCCACCTCTGACAAGAAACATCAGTAGCTTTGCACCTG  
 ATCGCAACAAATAGTCGGAACATCACTTGCAATTACGTGCACAGACGTGAGGAGCCCGTC  
 CTGGTTTTCCAGTGCAACTCCCGCCACGTGATTTGCTTAGACTGTTTCCACTTATACTGT  
 GTGACAAGACTCAATGATCGGCAGTTTGTTCACGACCCTCAACTTGGCTACTCCCTGCCT  
 TGTGTGGCTGGCTGTCCCAACTCCTTGATTAAGAGCTCCATCACTTCAGGATTCTGGGA  
 GAAGAGCAGTACAACCGGTACCAGCAGTATGGTGCAGAGGAGTGTGTCTGCAGATGGGG  
 GGCGTGTATGCCCGCCCTGGCTGTGGAGCGGGGCTGCTGCCGGAGCCTGACCAGAGG  
 AAAGTACCTGCGAAGGGGGCAATGGCTGGGCTGTGGGTTTGCCTTCTGCCGGGAATGT  
 AAAGAAGCGTACCATGAAGGGGAGTGCAGTGCCGTAATTTGAAGCCTCAGGAACAACACT  
 CAGGCCTACAGAGTCGATGAAAGAGCCCGAGCAGGCTCGTTGGGAAGCAGCCTCCAAA  
 GAAACCATCAAGAAAACCAAGCCCTGTCCCGCTGCCATGTACCAGTGGAAAAAAT  
 GGAGGCTGCATGCACATGAAGTGTCCGCAGCCCCAGTGCAGGCTCGAGTGGTGTGGAAC  
 TGTGGCTGCGAGTGAACCGCTCTGCATGGGGGACCACTGGTTCGACGTGTAG

Restriction Sites:	Please inquire
ACCN:	NM_013987



[View online >](#)

<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013987.1</a> , <a href="#">NP_054642.1</a>
<b>RefSeq Size:</b>	2876 bp
<b>RefSeq ORF:</b>	1314 bp
<b>Locus ID:</b>	5071
<b>UniProt ID:</b>	<a href="#">O60260</a>
<b>Cytogenetics:</b>	6q26
<b>Protein Pathways:</b>	Parkinson's disease, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: Transcript variant 2 lacks exons 5 which is present in the full-length variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>