

Product datasheet for **SC303500**

Parkin (PARK2) (NM_004562) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parkin (PARK2) (NM_004562) 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_004562 edited
GCCACCATGATAGTGTGGTGTGTCAGGTTCACTCCAGCCATGGTTTCCCAGTGGAGGTCGAT
TCTGACACCAGCATCTTCCAGCTCAAGGAGGTGGTTGCTAAGCGACAGGGGTTCCGGCT
GACCAGTTGCGTGTGATTTTCGACAGGGAAGGAGCTGAGGAATGACTGGACTGTGCAAGAAT
TGTGACCTGGATCAGCAGAGCATTGTTACATTGTGACAGAGACCGTGGAGAAAAGGTCAA
GAAATGAATGCAACTGGAGGCGACGACCCAGAAAACGCGCGGGAGGCTGTGAGCGGGAG
CCCCAGAGCTTGACTCGGGTGGACCTCAGCAGCTCAGTCTCCAGGAGACTCTGTGGGG
CTGGCTGTCACTTGCACACTGACAGCAGGAAGGACTCACCACCAGCTGGAAGTCCAGCA
GGTAGATCAATCTACAACAGCTTTTATGTGTATTGTAAGGCCCTGTCAAAGAGTGCAG
CCGGGGAAACTCAGGGTACAGTGCAGCACCTGCAGGCAGGCAACGCTCACCTTGACCCAG
GGTCCATCTTGTGGGATGATGTTTTAATTCAAACCGGATGAGTGGTGAATGCCAATCC
CCACACTGCCCTGGGACTAGTGCAGAATTTTCTTTAAATGTGGAGCACACCCACCTCT
GACAAGGAAACATCAGTAGCTTTGCACCTGATCGCAACAATAGTCGGAACATCATTGTC
ATTACGTGCACAGACGTGAGGAGCCCGTCTGGTTTTCCAGTGCAACTCCCGCCACGTG
ATTTGCTTAGACTGTTTCCACTTATACTGTGTGACAAGACTCAATGATCGGCAGTTTGT
CACGACCTCAACTTGGCTACTCCCTGCCTTGTGTGGCTGGCTGTCCAACTCCTTGATT
AAAGAGCTCCATCACTTCAGGATTCTGGGAGAAGAGCAGTACAACCGGTACCAGCAGTAT
GGTGCAGAGGAGTGTGCTCCTGCAGATGGGGGCGTGTATGCCCCCGCTGGCTGTGGA
GCGGGGCTGCTGCCGGAGCCTGACCAGAGGAAAGTCACTGCGAAGGGGCAATGGCCTG
GGCTGTGGGTTTGCCTTCTGCCGGAATGTAAAGAAGCGTACCATGAAGGGGAGTGCAGT
GCCGTATTTGAAGCCTCAGGAACAACACTACTCAGGCCTACAGAGTCGATGAAAGAGCCGCC
GAGCAGGCTCGTTGGGAAGCAGCCTCAAAGAAACCATCAAGAAAACCAAGCCCTGT
CCCCGCTGCCATGTACCAGTGGAAAAAATGGAGGCTGCATGCACATGAAGTGTCCGCAG
CCCCAGTGCAGGCTCGAGTGGTGTGGAAGTGTGGCTGCGAGTGGAAACCGCTGTGCATG
GGGACCCTGGTTCGACGTGTAG

Restriction Sites: Please inquire



[View online »](#)

ACCN:	NM_004562
Insert Size:	1500 bp
OTI Disclaimer:	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).
OTI Annotation:	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.
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:	<ol style="list-style-type: none"> 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_004562.1</u> , <u>NP_004553.1</u>
RefSeq Size:	2960 bp
RefSeq ORF:	1398 bp
Locus ID:	5071
UniProt ID:	<u>O60260</u>
Cytogenetics:	6q26
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
Gene Summary:	<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 1 represents the predominant and full-length form of this gene. 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>