

Product datasheet for SC313249

Parkin (PARK2) (BC022014) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parkin (PARK2) (BC022014) Human Untagged Clone
Tag:	Tag Free
Symbol:	Parkin
Synonyms:	AR-JP; E3 ubiquitin ligase; LPRS2; OTTHUMP00000017565; OTTHUMP00000017566; OTTHUMP00000017567; parkin; parkin 2; Parkinson disease (autosomal recessive, juvenile) 2, parkin; PDJ; PRKN
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for BC022014, the custom clone sequence may differ by one or more nucleotides ATGATAGTGTGGTTCAGGTTCAACTCCAGCCATGGTTTCCCAGTGGAGGTCGATTCTGAC ACCAGCATCTTCCAGCTCAAGGAGGTGGTTGCTAAGCGACAGGGGGTCCGGCTGACCAG TTGCGTGTGATTTTCGACGGGAAGGAGCTGAGGAATGACTGGACTGTGCAGAATTGTGAC CTGGATCAGCAGAGCATTGTTTACATTGTGCAGAGACCGTGGAGAAAAGGTCAAGAAATG AATGCAACTGGAGGCGACGACCCAGAAACCGCGCGGGAGGCTGTGAGCGGGAGCCCCAG AGCTTGACTCGGGTGGACCTCAGCAGCTCAGTCCTCCCAGGAGACTCTGTGGGGCTGGCT GTCATTCTGCACACTGACAGCAGGAAGGACTCACACCAGCTGGAAGTCCAGCAGGTAGA TCAATCTACAACAGCTTTTATGTGTATTGTAAGGCCCTGTCAAAGAGTGCAGCCGGGG AAACTCAGGGTACAGTGCAGCACCTGCAGGCAGGCAACGCTCACCTTGACCCAGGGTCCA TCTTGCTGGGATGATGTTTTAATCCAAACCGGATGAGTGGTGAATGCCAATCCCCACAC TGCCCTGGGACTAGTGCAGAATTTTCTTTAAATGTGGAGCACACCCACCTCTGACAAG GAAACATCAGTAGCTTTGCACCTGATCGCAACAATAGTCGGAACATCACTTGCATTACG TGACAGACGTCAGGAGCCCCGTCTGGTTTTCCAGTGCAACTCCCGCCACGTGATTTGC TTAGACTGTTTCCACTTATACTGTGTGACAAGACTCAATGATCGGCAGTTTGTTCACGAC CCTCAACTTGGCTACTCCCTGCCTTGTGTGGAACTGGAGACACAGTGGTGTCTTAGAGGA GCTCTGGGGGATTTCAGGAGAGGAGTGCCTGGCTGTCCCAACTCCTTGATTAAGAGCTC CATCACTTCAGGATTCTGGGAGAAGAGCAGTACAACCGGTACCAGCAGTATGGTGCAGAG GAGTGTCTCCTGCAGATGGGGGGCGTGTATGCCCGCCCTGGCTGTGGAGCGGGGCTG CTGCCGGAGCCTGACCAGAGGAAAGTACCTGCGAAGGGGGCAATGGCCCTGGGCTGTGG TATGGACAACGAAGAACAAAA
Restriction Sites:	Please inquire
ACCN:	BC022014



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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:	BC022014.2 , AAH22014.1
RefSeq Size:	1575 bp
RefSeq ORF:	1164 bp
Locus ID:	5071
Cytogenetics:	6q26
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
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]