

Product datasheet for **SC108012**

PINK1 (NM_032409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PINK1 (NM_032409) Human Untagged Clone
Tag:	Tag Free
Symbol:	PINK1
Synonyms:	BRPK; PARK6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_032409 edited
 ATGGCGGTGCGACAGGCGCTGGGCCGCGCCTGCAGCTGGGTGCGAGCGCTGCTGCTGCGC
 TTCACGGGCAAGCCCGGCCGGCCTACGGCTTGGGGCGGCCGGGCCCGCGGGCTGT
 GTCCGCGGGGAGCGTCCAGGCTGGGCCGAGGACCGGGCGCGGAGCTCGCAGGGTGGG
 CTCGGGCTCCCTAACCGTCTCCGCTTCTCCGCCAGTCGGTGGCCGGGCTGGCGGCGCG
 TTGCAGCGGCAGTTCGTGGTGGCGGCTGGGGCTGCGCGGGCCCTTGGCGCCGGCAGTC
 TTTCTGGCCTTCGGGCTAGGGCTGGGCTCATCGAGAAAAACAGGCGGAGAGCCGGCGG
 GCGGTCTCGGCCTGTCAGGAGATCCAGGCAATTTTACCAGAAAAGCAAGCCGGGCGCT
 GACCCGTTGGACACGAGACGCTTGCAGGCTTTCGGCTGGAGGAGTATCTGATAGGGCAG
 TCCATTGGTAAGGGCTGCAGTGCTGTGTATGAAGCCACCATGCCTACATTGCCCCAG
 AACCTGGAGGTGACAAAGAGCACCGGTTGCTTCCAGGGAGAGGCCAGGTACCAGTGCA
 CCAGGAGAAGGGCAGGAGCGAGCTCCGGGGGCCCTGCCTTCCCCTTGGCCATCAAGATG
 ATGTGGAACATCTCGCAGGTTCTCCAGCGAAGCCATCTTGAACACAATGAGCCAGGAG
 CTGGTCCCAGCGAGCCGAGTGGCCTTGGCTGGGAGTATGGAGCAGTCACTTACAGAAA
 TCCAAGAGAGTCCCAAGCAACTAGCCCTCACCCAACATCATCCGGTTCTCCGCGCC
 TTCACCTTTCGGTGGCGCTGCTGCCAGGGCCCTGGTGGACTACCCTGATGTGTGCC
 TCACGCCTCCACCTGAAGGCCTGGGCCATGGCCGGACGCTGTTCTCGTTATGAAGAAC
 TATCCCTGTACCTGCGCCAGTACCTTTGTGTGAACACACCCAGCCCCCGCTCGCCGCC
 ATGATGCTGCTGCAGTCTGGAAGGCGTGGACCATCTGGTTCAACAGGGCATCGCGCAC
 AGAGACCTGAAATCCGACAACATCTTGTGGAGCTGGACCCAGACGGCTGCCCTGGCTG
 GTGATCGCAGATTTTGGCTGCTGCTGGCTGATGAGAGCATCGGCCTGCAGTTGCCCTTC
 AGCAGTGGTACGTGGATCGGGCGGAAACGGCTGTCTGATGGCCCCAGAGGTGTCCACG
 GCCCGCTGGCCCCAGGGCAGTATTGACTACAGCAAGGCTGATGCCTGGCAGTGGGA
 GCCATCGCCTATGAAATCTTCGGGCTTGTCAATCCCTTACGGCCAGGGCAAGGCCAC
 CTTGAAAGCCGAGCTACCAAGAGGCTCAGCTACCTGCACTGCCCGAGTCAAGTGCCTCCA
 GACGTGAGACAGTTGGTGGGGCACTGCTCCAGCGAGAGGCCAGCAAGAGACCATCTGCC
 CGAGTAGCCGAAATGTCTTCACTAAGCCTCTGGGGTGAACATATTCTAGCCCTGAAG
 AATCTGAAGTTAGACAAGATGGTTGGCTGGCTCCTCAACAATCGGCCGCCACTTTGTTG
 GCCAACAGGCTCACAGAGAAGTGTGTGTGAAACAAAAATGAAGATGCTTTTCTGGCT
 AACCTGGAGTGTAAACGCTCTGCCAGGCAGCCCTCCTCTCTGCTCATGGAGGGCAGCC
 CTGTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_032409 unedited
 NTTTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGCCGGTGGTGGCGG
 CAGCGCGGCTGCGGGGGCACCGGGCCGCGGCCACCATGGCGGTGCGACAGGCGCTGG
 GCCCGGCCTGCAGTGGTTCGAGCGCTGCTGCTGCGCTTACGGGCAAGCCCGGCCGG
 CCTACGGCTTGGGGCGGCCGGCCCGGGCGGGCTGTGTCCGCGGGGAGCGTCCAGGCT
 GGGCCGACGAGACCAGGCGCGGAGCCTCGCAGGGTGGGCTCGGGCTCCCTAACCGTCTCC
 GCTTCTTCGCCAGTTCGGTGGCCGGCTGGCGGCGCGGTTGCAGCGGAGTTCGTGGTGC
 GGGCTGGGGCTGCGCGGGCCCTTGCAGCGGGCAGTCTTTCTGGCCTTCGGGCTAGGGC
 TGGGCTCATCGAGAAAAACAGGCGGAGAGCCGGCGGGCGGCTCGGCCTGTCAGGAGA
 TCCAGGCAATTTTACCAGAAAAGCAAGCCGGGCGCTGACCCGTTGGACACGAGACGCT
 TGCAGGGCTTTCGGCTGGAGGATATCTGATAGGGCAGTCCATTGGTAAGGGCTGCAGTG
 CTGCTGTGTATGAAGCCACCATGCCTACATTGCCCCAGAACCCTGGAGGTGACAAAGAGCA
 CCGGGTTGCTTCCAGGGAGAGGCCAGGTACCAGTGCACCAGGAGAAGGGCAGGAGCGAG
 CTNCGGGNGGCCCTGCCTTCCCCTGGGCTCAGGATGATGTGGAACATCTCGGCAGGNT
 CCTCCAGCGAAGCCATCTTGAACACATGAGCCAGGAAGCTGGGTCCAGCGAGCCGAGTG
 CCCTTGCTTGGGGAGATTGGGAGCAGTCACTTACAGAAATCCCAGAGAGGTCCAAGCAAC
 TAGCCCTCACCCACTAAATCCGGGTTCTCCGCGCCTTACCTTCTCGTTGCCGTGTTGCC
 AAGGGCCCTGGTCAT

RefSeq Size:	2700 bp
RefSeq ORF:	1746 bp
Locus ID:	65018
UniProt ID:	Q9BXM7
Cytogenetics:	1p36.12
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Parkinson's disease
Gene Summary:	This gene encodes a serine/threonine protein kinase that localizes to mitochondria. It is thought to protect cells from stress-induced mitochondrial dysfunction. Mutations in this gene cause one form of autosomal recessive early-onset Parkinson disease. [provided by RefSeq, Jul 2008]