

## Recombinant Human PINK1

Cat. No. PINK1-30963TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human PINK1 , 353 amino acids with a predicted Mwt of 37.9 kDa
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	352 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	37.900kDa
<b>Tissue specificity</b>	Highly expressed in heart, skeletal muscle and testis, and at lower levels in brain, placenta, liver, kidney, pancreas, prostate, ovary and small intestine. Present in the embryonic testis from an early stage of development.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	pH: 8.00 Constituents: 5% Glycerol, 6.01% Urea, 0.32% Tris HCl

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<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MYLIGQSIGK GCSAAVYEAT MPTLPQNLEV TKSTGLLPGR GPGTSAPGEG QERAPGAPAF PLAIKMMWNI SAGSSSEAIL NTMSQELVPA SRVALAGEYG AVTYRKSARG PKQLAPHPNI IRVLRFTSS VPLLPGALVD YPDVLP SRLH PEGLGHGRTL FLVMKNYPCT LRQYLCVNTSP SPRLAAMMLL QLLEGVDHLV QQGIAHRDLK SDNILVELDP DGCPWLVIAD FGCLADESI GLQLPFSSWY VDRGGNGCLM APEVSTARPG PRAVIDYSKA DAWAVGAIAY EIFGLVNPFY GQGAHLESR SYQEAQLPAL PESVPPDVRQ LVRALLQREA SKRPSARVAA NVL
<b>Sequence Similarities</b>	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 protein kinase domain.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PINK1 PTEN induced putative kinase 1 [ Homo sapiens ]
<b>Official Symbol</b>	PINK1
<b>Synonyms</b>	PINK1; PTEN induced putative kinase 1; PARK6, Parkinson disease (autosomal recessive) 6; serine/threonine-protein kinase PINK1, mitochondrial;
<b>Gene ID</b>	65018
<b>mRNA Refseq</b>	NM_032409
<b>Protein Refseq</b>	NP_115785
<b>MIM</b>	608309

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<b>Uniprot ID</b>	Q9BXM7
<b>Chromosome Location</b>	1p36.12
<b>Pathway</b>	Parkinsons disease, organism-specific biosystem;
<b>Function</b>	ATP binding; C3HC4-type RING finger domain binding; calcium-dependent protein kinase activity; kinase activity; magnesium ion binding;

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