

Recombinant Human PINK1

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

SPECIFICATION

Product Overview	Recombinant fragment of Human PINK1 , 353 amino acids with a predicted Mwt of 37.9 kDa
Species	Human
Source	E.coli
ProteinLength	352 amino acids
Description	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.
Molecular Weight	37.900kDa
Tissue specificity	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.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:5% Glycerol, 6.01% Urea, 0.32% Tris HCl

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

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

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