Recombinant Human PTEN Induced Putative Kinase 1

Cat. No. PINK1-1347H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PINK protein was expressed in E. coli and purified by using conventional chromatography techniques. MW: 37.9 kDa.
Species	Human
Source	E.coli
ProteinLength	156-507aa
Description	PINK1 is a serine/threonine protein kinase that localizes to mitochondria. It is thought to protect cells from stress-induced mitochondrial dysfunction. Mutations in this protein cause one form of autosomal recessive early-onset Parkinson disease.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) 1M Urea, 5% Glycerol.
Molecular Mass	37.9 kDa (353aa)
AA Sequence	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

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; protein kinase BRPK; PTEN-induced putative kinase protein 1; BRPK; PARK6; FLJ27236;
Gene ID	65018
mRNA Refseq	NM_032409
Protein Refseq	NP_115785
MIM	608309
UniProt ID	Q9BXM7
Chromosome Location	1p36.12

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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; nucleotide binding; protein binding; protein serine/threonine kinase activity; ubiquitin protein ligase binding;

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