

# Recombinant human PINK1 protein

Catalog Number: ATGP1240

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

156-507aa

### UniProt No.

Q9BXM7

### NCBI Accession No.

AAH28215

### Alternative Names

Serine/threonine-protein kinase PINK1 mitochondrial, Serine/threonine-protein kinase PINK1, mitochondrial, BRPK, FLJ27236, PARK6

## PRODUCT SPECIFICATION

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### Molecular Weight

37.9 kDa (353aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) 1M urea, 5% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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. Recombinant human PINK1 protein was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

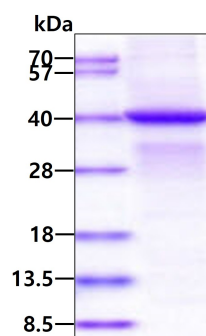
MYLIGQSIGK GCSAAVYEAT MPTLPQNLEV TKSTGLLPGR GPGTSAPGEG QERAAGAPAF PLAIKMMWNI SAGSSSEAIL  
NTMSQELVPA SRVALAGEYG AVTYRKSKRG PKQLAPHPNI IRVLRAFTSS VPLLPALVD YPDVLP SRLH PEGLGHGRTL  
FLVMKNYPCT LRQYLCVNTSPRLAAMMLL QLLEGVDHLV QQGIAHRDLK SDNILVELDP DGCPWLVIAD FGCCLADESI  
GLQLPFSSWY VDRGGNGCLM APEVSTARPG PRAVIDYSKA DAWAVGAIAY EIFGLVNP FY GQKKAHLESR SYQEAQLPAL  
PESVPPDVRQ LVRALLQREA SKRPSARVAA NVL

## General References

Valente EM., et al. (2004) *Ann Neurol.* 56(3):336-41.  
unoki M., et al. (2001) *Oncogene.* 20(33):4457-65.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.