# Recombinant human PINK1 protein

Catalog Number: ATGP1240

## PRODUCT INFORMATION

**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

**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

**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 PINK protein was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

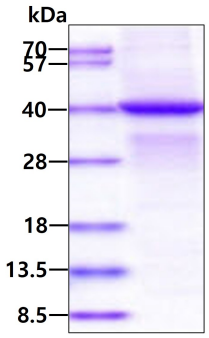
MYLIGQSIGK GCSAAVYEAT MPTLPQNLEV TKSTGLLPGR GPGTSAPGEG QERAPGAPAF PLAIKMMWNI SAGSSSEAIL NTMSQELVPA SRVALAGEYG AVTYRKSKRG PKQLAPHPNI IRVLRAFTSS VPLLPGALVD YPDVLPSRLH PEGLGHGRTL FLVMKNYPCT LRQYLCVNTP SPRLAAMMLL QLLEGVDHLV QQGIAHRDLK SDNILVELDP DGCPWLVIAD FGCCLADESI GLQLPFSSWY VDRGGNGCLM APEVSTARPG PRAVIDYSKA DAWAVGAIAY EIFGLVNPFY GQGKAHLESR SYQEAQLPAL PESVPPDVRQ LVRALLQREA SKRPSARVAA NVL

### 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




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.