
Product Data Sheet

Product Name: PINK1 Human

Cat. No.: GP22586

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms PTEN induced putative kinase 1; PARK6; protein kinase BRPK; Parkinson disease (autosomal recessive) 6; serine/threonine-protein kinase PINK1 mitochondrial; EC 2.7.11.1.

Amino Acid Sequence
 MYLIGQSIGK GCSAAVYEAT MPTLPQNLEV TKSTGLLPGR GPGTSAPGEG
 QERAPGAPAF PLAIKMMWNI SAGSSSEAIL NTMSQELVPA SRVALAGEYG
 AVTYRKSKRG PKQLAPHPNI IRVLRAFTSS VPLLPGALVD YPDVLP SRLH
 PEGLGHGRTL FLVMKNYPCT LRQYLCVNTSP SPRLAAMMLL QLLEGVDHLV
 QQGIAHRDLK SDNILVELDP DGCPWLVIAD FGCCLADESI GLQLPFSSWY
 VDRGGNGCLM APEVSTARPG PRAVIDYSKA DAWAVGAIAY EIFGLVNPFY
 GQGKAHLESR SYQEAQLPAL PESVPPDVRQ LVRALLQREA SKRPSARVAA
 NVL.

Formulation The PINK1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 5% glycerol.

Introduction

PINK1 is a serine/threonine protein kinase which is found in the mitochondria. PINK1 shields cells from stress-induced mitochondrial dysfunction. Mutations results in one form of autosomal recessive early-onset Parkinson disease.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PINK1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 353 amino acids (156-507) and having a molecular mass of 37.9 kDa. PINK1 is purified by proprietary chromatographic techniques.

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