

PINK1 Human

Description: PINK1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (156-507) and having a molecular mass of 37.9 kDa. PINK1 is purified by proprietary chromatographic techniques.

Catalog #: PKPS-017

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.

For research use only.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MYLIGQSIGK GCSAAVYEAT MPTLPQNLEV TKSTGLLPGR
GPGTSAPGEG QERAPGAPAF PLAIKMMWNI SAGSSSEAIL NTMSQELVPA SRVALAGEYG
AVTYRKSARG PKQLAPHPNI IRVLAFTSS VPLLPGALVD YPDVLP SRLH PEG LGHGRTL
FLVMKNYPCT LRQYLCVNTP SPRLAAMMLL QLLEGVDHLV QQGIAHRDLK SDNILVELDP
DGCPWLVIAD FG

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

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

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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