

Pantothenate kinase 2, mitochondrial (PANK2) Recombinant Protein | PANK2 recombinant protein

Recombinant Human Pantothenate kinase 2, mitochondrial (PANK2)

CATALOG # AAA116958	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Pantothenate kinase 2; mitochondrial (PANK2); Recombinant Human Pantothenate kinase 2; PANK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	47-570, Full length protein
Sequence	SLSLDGGTVN PPRVREPTGR EAFGSPSPASS DWLPARWRNG RGGRPRARLC SGWTAEEEAR RNPTLGGLLG RQRLLLRMG GRLGAPMERH GRASATSVSS AGEQAAGDPE GRRQEPLRRR ASSASVPAVG ASAEGTRRDR LGSYSGPSV SRQRVESLRK KRPLFPWFGL DIGGTLVKLV YFEPKDITAE EEEEEVESLK SIRKYLTSNV AYGSTGIRDV HLELKDLTLC GRKGNLHFIR FPTHDMPAFI QMGRDKNFSS LHTVFCATGG GAYKFEQDFL TIGDLQLCKL DELDCLIKGI LYIDSVGFNG RSQCYYFENP ADSEKQKLP FDLKNPYPLL LVNIGSGVSI LAVYSKDNYK RVTGTSLGGG TFFGLCCLLT GCTTFEEALE MASRGDSTKV DKLVRDIYGG DYERFGLPGW AVASSFGNMM SKEKREAVSK EDLARATLIT ITNNGISIAR MCALNENINQ VVFGNFLRI NTIAMRLLAY ALDYWSKGQL KALFSEHEGY FGAVGALLEL LKIP
Sequence Length	524
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for PANK2 recombinant protein	This gene encodes a protein belonging to the pantothenate kinase family and is the only member of that family to be expressed in mitochondria. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by acyl CoA species. Mutations in this gene are associated with HARP syndrome and pantothenate kinase-associated neurodegeneration (PKAN), formerly Hallervorden-Spatz syndrome. Alternative splicing, involving the use of alternate first exons, results in multiple transcripts encoding different isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1023300911
NCBI GeneID	80025
NCBI Accession #	NP_001311120.1
NCBI GenBank Nucleotide #	NM_001324191.1
UniProt Accession #	Q9BZ23; Q5T7I2; Q5T7I4; Q7RTX5; Q8N7Q4; Q8TCR5; Q9BYW5; Q9HAF2; B1AK33; B2Z3X0; D3DVZ0

Molecular Weight	50,582 Da
NCBI Official Full Name	pantothenate kinase 2, mitochondrial isoform 2
NCBI Official Synonym Full Names	pantothenate kinase 2
NCBI Official Symbol	PANK2
NCBI Official Synonym Symbols	HSS; HARP; PKAN; NBIA1; C20orf48
NCBI Protein Information	pantothenate kinase 2, mitochondrial
UniProt Protein Name	Pantothenate kinase 2, mitochondrial
UniProt Gene Name	PANK2
UniProt Synonym Gene Names	C20orf48; hPank2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pank2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116958>