

Recombinant Human PANK4, His-tagged

Cat. No. PANK4-28661TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 16-650 of Human PANK4 with an N terminal His tag. Predicted mwt: 72 kDa;
Species	Human
Source	E.coli
ProteinLength	16-650 a.a.
Description	This gene encodes a protein belonging to the pantothenate kinase family. 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 CoA. This family member is most abundant in muscle but is expressed in all tissues.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 108 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

LDKSITLPPDEIFRNLENNAKRFAIDIGGSLTKLAYYSTVQ HKVAKVRSFDHSGKDTER
 EHEPPYEISVQEEITARLHF IKFENTYIEACLDFIKDHLVNTETKVIQATGGGAYKFKD
 L IEEKLRLKVDKEDVMTCLIKGCNVLKNIPHEAFVYQK DSDPEFRFQTNHPHIFPYL
 LVNIGSGVSIVKVETEDRF EWVGGSSIGGGTFWGLGALLTKTKKFDELLHLASRGQ
 HSN VDMLVRDVYGGAHQTLGLSGNLIASSFGKSATADQEFS KEDMAKSLLHMISN
 DIGQLACLHARLHSLDRVYFGGFF IRGHPVTMRTITYSINFFSKGEVQALFLRHEGYL
 GAIGAF LKGAEQDNPNQYSWGENYAGSSGLMSASPELGPAQRAR SGTFDLLEMD
 RLERPLVDLPLLLDPPSYVPDVTDLTDD ALARKYWLTCFEEALDGVVKRAVASQPD
 SVDAAEAEKFR QKYWNKLQTLRQQPFAYGTLTVRSLLDTREHCLNEFNF PDPYS
 KVKQRENGVALRCFPGVVRSLDALGWEERQLAL VKGLLAGNVFDWGAKAVSAVLE
 SDPYFGFEEAKRKLQERP WLVDSEYSEWLQRLKGPPHKCALIFADNSGIDIILGVFP F
 VRELLLRGTEVILA

GENE INFORMATION

Gene Name [PANK4 pantothenate kinase 4 \[Homo sapiens \]](#)

Official Symbol [PANK4](#)

Synonyms PANK4; pantothenate kinase 4; FLJ10782;

Gene ID [55229](#)

mRNA Refseq [NM_018216](#)

Protein Refseq [NP_060686](#)

MIM [606162](#)

Uniprot ID [Q9NVE7](#)

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Chromosome Location	1p36.32
Pathway	Coenzyme A biosynthesis, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate => CoA, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate => CoA, conserved biosystem;
Function	ATP binding; nucleotide binding; pantothenate kinase activity; transferase activity;

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