

## Recombinant Human PANK4, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 16-650 of Human PANK4 with an N terminal His tag. Predicted mwt: 72 kDa;
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	16-650 a.a.
<b>Description</b>	<p>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.</p>
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 108 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

LDKSITLPPDEIFRNLENKRFAIDIGGSLTKLAYYSTVQ HKVAKVRSFDHSGKDTER  
 EHEPPYEISVQEEITARLHF IKFENTYIEACLDFIKDHLVNTETKVIQATGGGAYKFKD  
 L IEEKLRLKVDKEDVMTCLIKGCNFKVLPKIPHEAFVYQK DSDPEFRFQTNHPHIFPYL  
 LVNIGSGVSIVKVETEDRF EWVGGSSIGGGTFWGLGALLTKTKKFDPELLHLASRGQ  
 HSN VDMLVRDVYGGAHQTLGLSGNLIASSFGKSATADQEFS KEDMAKSLMHMISN  
 DIGQLACLHARLHSLDRVYFGGFF IRGHPVTMRTITYSINFFSKGEVQALFLRHEGYL  
 GAIGAF LKGAEQDNPNQYSWGENYAGSSGLMSASPELGPAQRAR SGTFDLLEMD  
 RLERPLVDLPLLLDPPSYVPDVTDLTDD ALARKYWLTCFEEALDGVVKRAVASQPD  
 SVDAAERA EKFR QKYWNKLQTLRQQPFAYGTLTVRSLLDTREHCLNEFNFPDPYS  
 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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<b>Chromosome Location</b>	1p36.32
<b>Pathway</b>	Coenzyme A biosynthesis, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate => CoA, organism-specific biosystem; Coenzyme A biosynthesis, pantothenate => CoA, conserved biosystem;
<b>Function</b>	ATP binding; nucleotide binding; pantothenate kinase activity; transferase activity;

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