

## Recombinant Human PANK4 cell lysate

Cat. No. PANK4-1279HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<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>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	PANK4 pantothenate kinase 4 [ Homo sapiens ]
<b>Official Symbol</b>	PANK4
<b>Synonyms</b>	PANK4; pantothenate kinase 4; FLJ10782; hPanK4; pantothenic acid kinase 4; DKFZp547M242;

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<b>Gene ID</b>	55229
<b>mRNA Refseq</b>	NM_018216
<b>Protein Refseq</b>	NP_060686
<b>MIM</b>	606162
<b>UniProt ID</b>	Q9NVE7
<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; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
<b>Function</b>	ATP binding; nucleotide binding; pantothenate kinase activity; transferase activity;

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