

Recombinant Human PANK1 cell lysate

Cat. No. PANK1-1278HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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. Alternative splicing has been observed at this locus and three variants, each encoding a distinct isoform, have been identified.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PANK1 pantothenate kinase 1 [Homo sapiens]
Official Symbol	PANK1
Synonyms	PANK1; pantothenate kinase 1; PANK, pantothenate kinase; MGC24596; PANK1a; PANK1b; pantothenic acid kinase 1; PANK;

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Gene ID	53354
mRNA Refseq	NM_138316
Protein Refseq	NP_612189
MIM	606160
UniProt ID	Q8TE04
Chromosome Location	10q23.31
Pathway	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;
Function	ATP binding; nucleotide binding; pantothenate kinase activity; transferase activity;

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