

Recombinant Human PANK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PANK1-3402H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PANK1 MS Standard C13 and N15-labeled recombinant protein (NP_683878) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the pantothenate kinase family. Pantothenate kinases are key regulatory enzymes in the biosynthesis of coenzyme A (CoA). The encoded protein catalyzes the first and rate-limiting enzymatic reaction in CoA biosynthesis and is regulated by CoA through feedback inhibition. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. This gene and an intronic miRNA on the same strand are co-regulated by the tumor suppressor p53 (see PMID 20833636).
Molecular Mass	64.2 kDa
AA Sequence	MLKLVGGGGGGQDWACSVAGTSLGGEEAAFEVARPGDQ GKAGGGSPGWGCAGIP DSAPGAGVLQAGAVGPARGGQGAEEVGESAGGGGEERRVRHPQAPALRLLNRKPQ GGSGEIKTPENDLQRGRLSRGPRTAPPAPGMGDRSGQ QERSVPHSPGAPVGTSA AAVNGLLHNGFHHPPVQPPHVCSRGPVGGSDAAPQRLPLLPELQPQPLLPQHDS AKKCRLRRRMDSGRKNRPPFPWFMDIGGTLVKLVYFEPKDITAEEEQEEVENLKSI RKYLTSNTAYGKTGIRDVHLELKNLTMCGRKGNLHFIRFPSCAMHRFIQMGSEKNFS

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SLHTTLCATGGGAFKFEEDFRMIADLQLHKLDELDCLIQGLLYVDSVGFNGKPECYY
FENPTNPELCQKKPYCLDNYPMLLVNMGSGVSILAVYSKDNYKRVTGTSLGGGTF
LGLCCLLTGCETFEEALEMAAKGDSTNVDKLVKDIYGGDYERFGLQGS AVASSFGN
MMSKEKRDSISKEDLARATLVITITNIGSIARMCALNENIDRVVFGNFLRINMVSMK
LLAYAMDFWSKGQLKALFLEHEGYFGAVGALLELFKMTDDKTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PANK1 pantothenate kinase 1 [Homo sapiens (human)]

Official Symbol PANK1

Synonyms PANK1; pantothenate kinase 1; PANK, pantothenate kinase; MGC24596; PANK1a; PANK1b; pantothenic acid kinase 1; PANK;

Gene ID 53354

mRNA Refseq NM_148977

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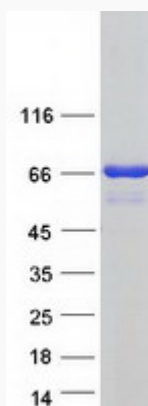
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Protein Refseq NP_683878

MIM 606160

UniProt ID Q8TE04

SDS-PAGE



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