

Recombinant Full Length Human PANK1 Protein, GST-tagged

Cat. No. PANK1-1541HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human PANK1(1 a.a. - 373 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	373 amino acids
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	68.1 kDa
AA Sequence	MKLLINGKKQT FPWFGMDIGG TLVKL VYFEP KDITAE EEEQE EVENLKSIRK YLTSNTAYGK TGIRDVHLEL KNL TMCGRKG NLHFIRFPSC AMHRFIQMGS EKNFSSLHTT LCATGGGAFK FEEDFRMIAD LQLHKLDEL D CLIQGLLYVD SVGFNGKPEC YYFENPTNPE LCQKKPYCLD NPYPMLLVNM GSGVVSILAVY SKDNYKRVTG TSLGGGTFLG LCCLLTGCET FEEALEMAAK GDSTNVDKLV KDIYGGDYER FGLQGS AVAS SFGNMMSKEK RDSISKEDLA RATLVTITNN

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IGSIARMCAL NENIDRVV FV GNFLRINMVS MKLLAYAMDF WSKGQLKALF
LEHEGYFGAV GALLELFKMT DDK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Gene ID

53354

mRNA Refseq

NM_148977

Protein Refseq

NP_683878

MIM

606160

UniProt ID

Q8TE04

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