

Product datasheet for **TP303696L**

PANK3 (NM_024594) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pantothenate kinase 3 (PANK3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203696 protein sequence Red =Cloning site Green =Tags(s)

MKIKDAKKPSFPWFGMDIGGTLVKLSYFEPIDITAEQQEEVESLKSIRKYLTSNVAYGSTGIRDVHLEL
KDLTLFGRRGNLHFIRFPTQDLPTFIQMGRDKNFSTLQTVLCATGGGAYKFEKDFRTIGNLHLHLKLELD
CLVKGLLYIDSVSFNGQAECYFANASEPERCQKMPFNLDPPYLLVNVNIGSGVSIHAVHSDKNYKRVTG
TSLGGGTFGLCSLLTGCESEFAEMASKGDSTQADKLVRDIYGGDYERFGLPGWAVASSFGNMIYKEK
RESVSKEDLARATLVITNIGSVARMCVNEKINRVVFGNFLRVNTLSMKLLAYALDYWSKGQLKALF
LEHEGYFGAVGALLGLPNFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	40.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_078870
Locus ID:	79646



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UniProt ID: [Q9H999](#)

RefSeq Size: 3404

Cytogenetics: 5q34

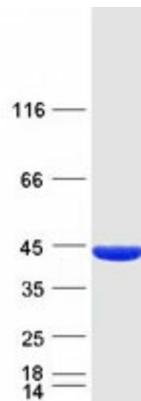
RefSeq ORF: 1110

Summary: 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 expressed most abundantly in the liver. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pantothenate and CoA biosynthesis

Product images:



Coomassie blue staining of purified PANK3 protein (Cat# [TP303696]). The protein was produced from HEK293T cells transfected with PANK3 cDNA clone (Cat# [RC203696]) using MegaTran 2.0 (Cat# [TT210002]).