

## Product datasheet for PH303696

### PANK3 (NM\_024594) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PANK3 MS Standard C13 and N15-labeled recombinant protein (NP_078870)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203696
Predicted MW:	41.1 kDa
Protein Sequence:	>RC203696 protein sequence Red=Cloning site Green=Tags(s)

MKIKDAKKPSFPWFGMDIGGTLVKLSYFEPIDITAEQQEEVESLKSIRKYLTSNVAYGSTGIRDVHLEL  
KDLTLFGRRGNLHFIRFPTQDLPTFIQMRDKNFSTLQTVLCATGGGAYKFEKDFRTIGNLHLHKLDEL  
CLVKGLLYIDSVSFNGQAECYFANASEPERCQKMPFNLDPPYLLVNNIGSGVSI LAVHSDNYKRVTG  
TSLGGGTFLGLCSLLTGCESEEALEMASKGDSTQADKLVRDIYGGDYERFGLPGWAVASSFGNMIYKEK  
RESVSKEDLARATLVTITNNIGSVARMCVNEKINRVVFVGNFLRVNTLSMKLLAYALDYWSKGQLKALF  
LEHEGYFGAVGALLGLPNFS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_078870</u>
RefSeq Size:	3404
RefSeq ORF:	1110
Locus ID:	79646
UniProt ID:	<u>Q9H999</u>



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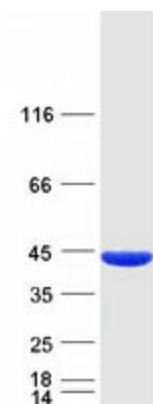
**Cytogenetics:** 5q34

**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]).