

## Product datasheet for TP303696

### PANK3 (NM\_024594) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human pantothenate kinase 3 (PANK3), 20 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC203696 protein sequence<br>Red=Cloning site Green=Tags(s)      |

MKIKDAKKPSFPWFGMDIGGTLVKLSYFEPIDITAEQQEEVESLKSIRKYLTSNVAYGSTGIRDVHLEL  
KDLTLFGRRGNLHFIRFPTQDLPTFIQMGRDKNFSTLQTVLCATGGGAYKFEKDFRTIGNLHLHLKLELD  
CLVKGLLYIDSVSFNGQAECYFANASEPERCQKMPFNLDPPYLLVNVNIGSGVSILAVHSDKDNYKRVTG  
TSLGGGTFGLCSLLTGCSFEAELEMASKGDSTQADKLVRDIYGGDYERFGLPGWAVASSFGNMIYKEK  
RESVSKEDLARATLVITNIGSVARMCAVNEKINRVVFGNFLRVNTLSMKLLAYALDYWSKGQLKALF  
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:        | <a href="#">NP_078870</a>  |
| Locus ID:      | 79646  |



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UniProt ID: [Q9H999](#)

RefSeq Size: 3404

Cytogenetics: 5q34

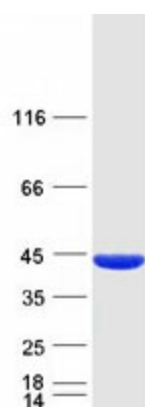
RefSeq ORF: 1110

**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]).