

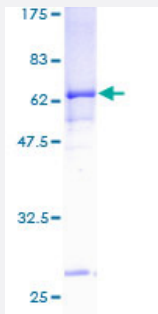
Full-Length

# PANK3 (Human) Recombinant Protein (P01)

Catalog # H00079646-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human PANK3 full-length ORF ( AAH13705, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MKIKDAKKPSFPWFGMDIGGTLVKLSYFEPIDITAEQQEEVESLKSRKYLTSNVAYGSTGIRDVHL  
ELKDLTLFGRRGNLHFRFPTQDLPTFIQMGRDKNFSTLQTVLCATGGGAYKFEKDFRTIGNLHLHK  
LDELDCLVKGLLYDSVSFNGQAECYYFANASEPERCQKMPFNLD DPYLLVVNIGSGVSILAVHS  
KDN YKRV TGTSLGGGTFLGLCSLLTGCE SFEEALEMASKGDSTQADKLVRDIYGGDYERFGLPG  
WAVASSFGNMYKEKRESVSKEDLARATLVTTNNIGSVARMCAVNEKINRVVFGNFLRVNTLSM  
KLLAYALDYWSKGQLKALFLEHEGYFGAVGALLGLPNFS

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

66.22

### Interspecies Antigen Sequence

Mouse (99); Rat (99)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

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

**Storage Instruction**

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

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

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

## Gene Info — PANK3

**Entrez GeneID**[79646](#)**GeneBank Accession#**[BC013705](#)**Protein Accession#**[AAH13705](#)**Gene Name**

PANK3

**Gene Alias**

FLJ12899, MGC16863

**Gene Description**

pantothenate kinase 3

**Omim ID**[606161](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

**Other Designations**

pantothenic acid kinase

## Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)