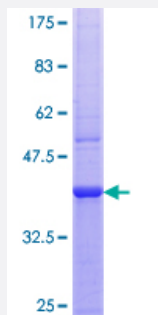


PANK4 (Human) Recombinant Protein (Q01)

Catalog # H00055229-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PANK4 partial ORF (NP_060686.1, 673 a.a. - 773 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AGMDPVVHSALQEERLLLVTGSSSPCLDLSRLDKGLAALVRERAGDLVVIEGMGRAVHTNYHALRCESLKLAVIKNAWLAERLGGRLFSVIFKYEVPAAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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 — PANK4

Entrez GeneID [55229](#)

GeneBank Accession# [NM_018216](#)

Protein Accession# [NP_060686.1](#)

Gene Name PANK4

Gene Alias DKFZp547M242, FLJ10782

Gene Description pantothenate kinase 4

Omim ID [606162](#)

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 most abundant in muscle but is expressed in all tissues. [provided by RefSeq]

Other Designations OTTHUMP00000000865|pantothenic acid kinase

Pathway

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

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)