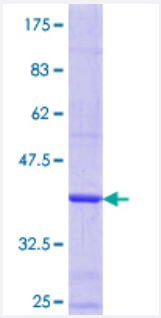
PANK3 (Human) Recombinant Protein (Q01)

Catalog # H00079646-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PANK3 partial ORF (NP_078870.1, 88 a.a. - 180 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PTQDLPTFIQMGRDKNFSTLQTVLCATGGGAYKFEKDFRTIGNLHLHKLDELDCLVKGLLYIDSVSF NGQAECYYFANASEPERCQKMPFNLD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.97
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#	NM_024594
Protein Accession#	NP_078870.1
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 cell s. 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