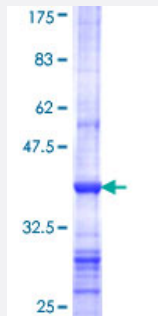


PDXK (Human) Recombinant Protein (Q01)

Catalog # H00008566-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human PDXK partial ORF (NP_003672, 51 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	HWKGQVLNSDELQELYEGLRLNNMNKYDYVLTGYTRDKSFLAMVVDIVQELKQQNPRLVYVCDP VLGDKWDGEGSMYVPEDLLPVYKEKVPLADIITPNQFEALLSGR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (86); Rat (87)
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 — PDXK

Entrez GeneID	8566
GeneBank Accession#	NM_003681
Protein Accession#	NP_003672
Gene Name	PDXK
Gene Alias	C21orf124, C21orf97, DKFZp566A071, FLJ31940, FLJ37311, MGC15873, MGC31754, MGC52346, PKH, PNK, PRED79
Gene Description	pyridoxal (pyridoxine, vitamin B6) kinase
Omim ID	179020
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	pyridoxal kinase pyridoxamine kinase pyridoxine kinase vitamin B6 kinase

Pathway

- [Metabolic pathways](#)
- [Vitamin B6 metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Parkinson Disease](#)