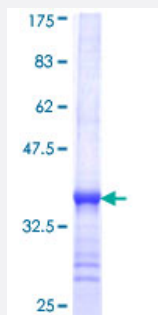


KHK (Human) Recombinant Protein (Q01)

Catalog # H00003795-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KHK partial ORF (NP_000212, 201 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FQSAEEALRGLYGRVRKGAVLVCWAEEGADALGPDGKLLHSDAFPPPRVDTLGAGDTFNAS VIFSLSQGRSVQEALRFGCQVAGKKCGLQGFDGI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
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 — KHK

Entrez GeneID	3795
GeneBank Accession#	NM_000221
Protein Accession#	NP_000212
Gene Name	KHK
Gene Alias	-
Gene Description	ketoheokinase (fructokinase)
Omim ID	229800
Gene Ontology	Hyperlink
Gene Summary	This gene encodes ketoheokinase that catalyzes conversion of fructose to fructose-1-phosphate. The product of this gene is the first enzyme with a specialized pathway that catabolizes dietary fructose. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]
Other Designations	ketoheokinase

Pathway

- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)