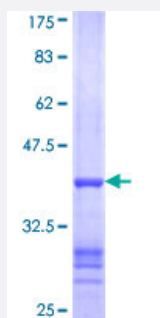


GK (Human) Recombinant Protein (Q01)

Catalog # H00002710-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GK partial ORF (NP_000158, 2 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AASKKAVLGPLVGAVDQGTSSSTRFLVFNSKTAELLSHHQVEIKQEFPPREGWVEQDPKEILHSVYE CIEKTCEKLGQLNIDISNIKAIGVSNQR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.97
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 — GK

Entrez GeneID [2710](#)

GeneBank Accession# [NM_000167](#)

Protein Accession# [NP_000158](#)

Gene Name GK

Gene Alias GK1, GKD

Gene Description glycerol kinase

Omim ID [300474 307030](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene belongs to the FGGY kinase family of proteins and encodes glycerol kinase. Glycerol kinase is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Defects in this gene are the cause of glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations ATP:glycerol 3-phosphotransferase|glycerokinase

Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)