

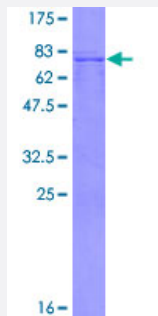
Full-Length

PFKFB1 (Human) Recombinant Protein (P01)

Catalog # H00005207-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PFKFB1 full-length ORF (NP_002616.1, 1 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSPEMGELTQTRLQKIWIPIHSSGSSRLQRRRGSSIPQFTNSPTMVMVGLPARGKTYISTKLTRYLN
WIGTPTKVFNLGQYRREAVSYKNEYFFLPDNMEALQIRKQCALAALKDVHNYLSHEEGHVAVFDA
TNTTRERRSLILQFAKEHGYKVFFIESICNDPGIIAENIRQVKLGSPDYIDCDREKVLEDFLKRIECYE
VNYQPLDEELDSHLSYKIFDVGTRYMVNVRVQDHIQSRTVYYLMNIHVTTPRSYLCRHGESELNIRGRI
GGDSGLSVRGKQYAYALANFIQSQGISSLKVWTSRMKRTIQTAEALGVPYEQWKALNEIDAGVCE
EMTYEEIQEHYPEEFALRDQDKYRYRYPKGESYEDLVQRLEPVMELERQENVLVICHQAVMRCLL
AYFLDKSSDELPYLCPLHTVLKLTVPVAYGCKVESIYNVEAVNTHREKPVNDITREPEEALDTV
PAHY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.1

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 — PFKFB1

Entrez GeneID[5207](#)**GeneBank Accession#**[NM_002625.1](#)**Protein Accession#**[NP_002616.1](#)**Gene Name**

PFKFB1

Gene Alias

F6PK, HL2K, MGC116715, MGC116717, PFRX

Gene Description

6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1

Omim ID[311790](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis. [provided by RefSeq]

Other Designations

6PF-2-K/Fru-2,6-P2ASE liver isozyme|OTTHUMP00000023391|fructose-2,6-bisphosphatase|fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatase

Pathway

- [Fructose and mannose metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)