

Recombinant Full Length Human PFKL Protein, GST-tagged

Cat. No. PFKL-568HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PFKL(1 a.a. - 827 a.a.), fused with GST at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	827 amino acids
Description	This gene encodes the liver (L) subunit of an enzyme that catalyzes the conversion of D-fructose 6-phosphate to D-fructose 1,6-bisphosphate, which is a key step in glucose metabolism (glycolysis). This enzyme is a tetramer that may be composed of different subunits encoded by distinct genes in different tissues. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	116.6 kDa
AA Sequence	MCNQGRGRES SRGGLHVQGS CRGLSRSPQQ ETGFAKAPAG TDCFFHCSPG SRGQGDRKEE VTSEPGGTSI MSRLGGMNAA VRAVTRMGII VGAKVFLIYE GYEGLVEGGE NIKQANWLSV SNIIQLGGTI IGSARCKAFT TREGRRAAAY NLVQHGITNL CVIGGDGSLT GANIFRSEWG SLLEELVAEG KISSETARTY SHLNIAGLVG SIDNDFCGTD MTIGTDSALH RIMEVIDAIT TTAQSHQRTF VLEVMGRHCG YLALVSALAS GADWLFIEA PPEDGWENFM CERLGETRSR

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GSRLNIIIA EGAIDRNGKP ISSSYVKDLV VQRLGFDTRV TVLGHVQRGG
 TPSAFDRILS SKMGMEAVMA LLEATPDTPA CVVTLSGNQS VRLPLMECVQ
 MTKEVQKAMD DKRFDEATQL RGGSFENNWN IYKLLAHQKP PKEKSNFSLA
 ILNVGAPAAG MNAAVRSAVR TGISHGHTVY VVHDGFEGLA KGQVQEVGWH
 DVAGWLGRGG SMLGTKRTLK KGQLESIVEN IRIYGIHALL VVGGFAYEG
 VLQLVEARGR YEELCIVMCV IPATISNNVP GTDFSLGSDT AVNAAMESCD
 RIKQSASGTK RRVFIVETMG GYCGYLATVT GIAVGADAAY VFEDPFNIHD
 LKVNVEHMTK KMKTDIQRGL VLRNEKCHDY YTTEFLYNLY SSEGKGVFDC
 RTNVLGHLQQ GGAPTPFDRN YGTLKGVKAM LWLSEKLREV YRKGRVFANA
 PDSACVIGLK KKAVAFSPVT ELKKDTEFEH RMPREQWWLS LRLMLKMLAQ
 YRISMAAYVS GELEHVTRRT LSMDKGF

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

PFKL phosphofructokinase, liver [Homo sapiens]

Official Symbol

PFKL

Synonyms

PFKL; phosphofructokinase, liver; 6-phosphofructokinase, liver type;
 phosphohexokinase; phosphofructokinase 1; liver-type 1-phosphofructokinase;
 phosphofructo-1-kinase isozyme B; PFK-B; FLJ30173; FLJ40909; DKFZp686G1648;
 DKFZp686L2097

Gene ID

5211

mRNA Refseq

NM_001002021

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Protein Refseq	NP_001002021
MIM	171860
UniProt ID	P17858

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