

Recombinant Human PFKL protein, GST-tagged

Cat. No. PFKL-1658H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFKL(1 a.a. - 827 a.a.), fused with GST at N-terminal, was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Protein Length	1 a.a. - 827 a.a.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	116.6 kDa
AA Sequence	MCNQGRGRESSRGGLHVQGSCRGLSRSPQQETGFAKAPAGTDCFFHCSPGSRG QGDRKEEVTSPPGGTSIMSRLG GMNAAVRAVTRMGIVVGAKVFLIYEGYEGLV GENIKQANWLSVSNIIQLGGTIIGSARCKAFTTREGRRAAAY NLVQHGITNLCVIGGD GSLTGANIFRSEWGSLLLEELVAEGKISSETTARTYSHLNIAGLVGSIDNDFCGTDMTIG T DSALHRIMEVIDAITTTAQSHQRTFVLEVMGRHCGYLALVSALASGADWLFPEAP PEDGWENFM CERLGETRSR GSRLNIIIIAEGAIDRNGKPISSSYVKDLVVQRLGFDTR VTVLGHVQRRGGTPSAFDRILSSKMGMEAVMALLEAT PDTPACVVTLSGNQSVRLPL MECVQMTKEVQKAMDDKRFDEATQLRGGSFENNWNIIYKLLAHQKPPKEKSNFSLA ILNVGAPAAGMNAAVRSAVRTGISHGHTVYVVHVDGFEGFLAKGQVQEVGWHVDVAGW LGRGGSMLGKTKRTLPGKQLE SIVENIRIYGIHALLVVGGFEEYEGVLQLVEARGRYE ELCIVMCVIPATISNNVPGTDFSLGSDTAVNAAMESCD RIKQSASGTKRRVFIVETM GGYCGYLATVTGIAVGADAAYVFEDPFNIHDLKVNVEHMTKMKTDIQRGLVLRNE

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KCHDYTTTEFLYNLYSSEGKGVFDCRTNVLGHLQQGGAPTPFDRNYGTKLGVKAM
LWLSEKLREYVRKGRVFANA PDSACVIGLKKKAVAFSPVTELKKDTEFEHRMPREQ
WWLSLRLMLKMLAQYRISMAAYVSGELEHVTRRTLSMDK GF

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

Protein Refseq

NP_001002021

MIM

171860

UniProt ID

P17858

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Chromosome Location	21q22.3
Pathway	Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose =>
Function	6-phosphofructokinase activity; contributes_to 6-phosphofructokinase activity; ATP binding; fructose binding; fructose-6-phosphate binding; identical protein binding; kinase activity; kinase binding; metal ion binding; nucleotide binding; protein binding; transferase activity;