

PFKL 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005211-T01 Size 100 uL

Applications



SDS-PAGE Gel

PFKL transfected lysate.

Western Blot

Lane 1: PFKL transfected lysate (91.08 KDa) Lane 2: Non-transfected lysate.

Specification	
Transfected Cell Line	293T
Plasmid	pCMV-PFKL full-length
Host	Human
Theoretical MW (kDa)	91.08
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PFKL antibody (H00005211-B01) by West ern Blots. SDS-PAGE Gel PFKL transfected lysate. Western Blot Lane 1: PFKL transfected lysate (91.08 KDa) Lane 2: Non-transfected lysate.



Product Information

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bro mophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

Western Blot

Gene Info — PFKL	
Entrez GenelD	<u>5211</u>
GeneBank Accession#	<u>NM_001002021.1</u>
Protein Accession#	<u>NP_001002021.1</u>
Gene Name	PFKL
Gene Alias	DKFZp686G1648, DKFZp686L2097, FLJ30173, FLJ40909, PFK-B
Gene Description	phosphofructokinase, liver
Omim ID	<u>171860</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	Phosphofructokinase (PFK) is a tetrameric enzyme that catalyzes a key step in glycolysis, namely the conversion of D-fructose 6-phosphate to D-fructose 1,6-bisphosphate. Separate genes encod e a muscle subunit (M) and a liver subunit (L). PFK from muscle is a homotetramer of M subunits, PFK from liver is a homotetramer of L-subunits, while PFK from platelets can be composed of an y tetrameric combination of M and L subunits. The protein encoded by this gene represents the L subunit. Alternate splicing results in two transcript variants, one of which is a candidate for nonsen se-mediated decay (NMD). [provided by RefSeq
Other Designations	6-phosphofructokinase, liver type liver phosphofructokinase liver-type 1-phosphofructokinase phos phofructo-1-kinase isozyme B phosphofructokinase 1 phosphohexokinase

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine

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- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Fructose and mannose metabolism
- <u>Galactose metabolism</u>
- <u>Glycolysis / Gluconeogenesis</u>
- Metabolic pathways
- Pentose phosphate pathway

Disease

- Drug Toxicity
- Edema
- Hypercholesterolemia