Recombinant Human PFKL Protein, His-tagged

Cat. No. PFKL-2581H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFKL Protein (Ala2-His390) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-His390
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.7 kDa Accurate Molecular Mass: 43 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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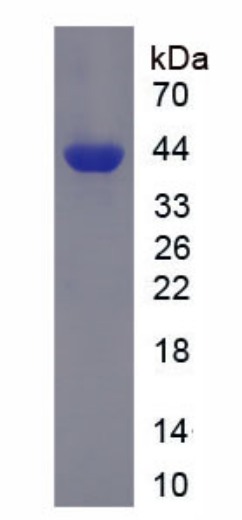
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PFKL phosphofructokinase, liver [Homo sapiens (human)]
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_002626
Protein Refseq	NP_002617
MIM	171860

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UniProt ID	P17858



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