Recombinant Human ATP-dependent 6-phosphofructokinase, liver type (PFKL)

Product Code	CSB-YP017821HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17858
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AAVDLEKLR ASGAGKAIGV LTSGGDAQGM NAAVRAVTRM GIYVGAKVFL IYEGYEGLVE GGENIKQANW LSVSNIIQLG GTIIGSARCK AFTTREGRRA AAYNLVQHGI TNLCVIGGDG SLTGANIFRS EWGSLLEELV AEGKISETTA RTYSHLNIAG LVGSIDNDFC GTDMTIGTDS ALHRIMEVID AITTTAQSHQ RTFVLEVMGR HCGYLALVSA LASGADWLFI PEAPPEDGWE NFMCERLGET RSRGSRLNII IIAEGAIDRN GKPISSSYVK DLVVQRLGFD TRVTVLGHVQ RGGTPSAFDR ILSSKMGMEA VMALLEATPD TPACVVTLSG NQSVRLPLME CVQMTKEVQK AMDDKRFDEA TQLRGGSFEN NWNIYKLLAH QKPPKEKSNF SLAILNVGAP AAGMNAAVRS AVRTGISHGH TVYVVHDGFE GLAKGQVQEV GWHDVAGWLG RGGSMLGTKR TLPKGQLESI VENIRIYGIH ALLVVGGFEA YEGVLQLVEA RGRYEELCIV MCVIPATISN NVPGTDFSLG SDTAVNAAME SCDRIKQSAS GTKRRVFIVE TMGGYCGYLA TVTGIAVGAD AAYVFEDPFN IHDLKVNVEH MTEKMKTDIQ RGLVLRNEKC HDYYTTEFLY NLYSSEGKGV FDCRTNVLGH LQQGGAPTPF DRNYGTKLGV KAMLWLSEKL REVYRKGRVF ANAPDSACVI GLKKKAVAFS PVTELKKDTD FEHRMPREQW WLSLRLMLKM LAQYRISMAA YVSGELEHVT RRTLSMDKGF
Source	Yeast
Target Names	PFKL
Protein Names	Recommended name: 6-phosphofructokinase, liver type EC= 2.7.1.11Alternative name(s): Phosphofructo-1-kinase isozyme B Short name= PFK-B Phosphofructokinase 1 Phosphohexokinase
Expression Region	2-780
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 encode 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 any tetrameric combination of M and L subunits. This protein represents the L

	subunit. Alternate splicing results in two transcript variants, one of which is a candidate for nonsense-mediated decay (NMD).
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.