

Product datasheet for **TP727173**

PFKFB1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Fructose-2,6-Bisphosphatase 1/PFKFB1/PFK/FBPase 1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser2-Tyr471
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB,150mM NaCl,5%Trehalose,1mM EDTA,pH7.8.
Note:	Recombinant Human 6-Phosphofructo-2-kinase/Fructose-2,6-bisphosphatase 1 is produced by our Mammalian expression system and the target gene encoding Ser2-Tyr471 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	5207
UniProt ID:	P16118
Synonyms:	6-phosphofructo-2-kinase/fructose-2;6-bisphosphatase 1; 6PF-2-K/Fru-2;6-P2ase liver isozyme; Fructose-2;6-bisphosphatase; PFKFB1; F6PK; PFRX
Summary:	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1 is an enzyme that in humans is encoded by the PFKFB1 gene. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. It belongs to the phosphoglycerate mutase family. Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis.
Protein Families:	Druggable Genome
Protein Pathways:	Fructose and mannose metabolism



[View online »](#)