Product Name: Recombinant Human PFKFB1 (C-6His)
Catalog #: PHH1314

Summary

Name	PFKFB1/PFK/FBPase 1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P16118
Host	Human Cells
Species	Human
Predicted Molecular Mass	55.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5%Trehalose, 1mM EDTA, 10% Glycerol, 0.1%Tween 80, pH7.8.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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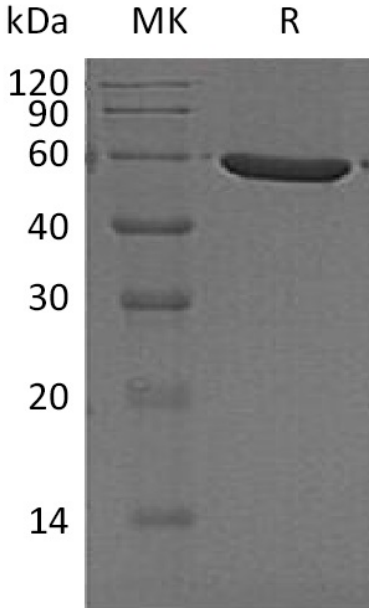

Alternative Names

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

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.