

Datasheet for ABIN1945453

## PFKFB1 Protein (AA 2-471) (His tag)



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### Overview

Quantity:	50 µg
Target:	PFKFB1
Protein Characteristics:	AA 2-471
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PFKFB1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Fructose-2,6-Bisphosphatase 1/PFKFB1/PFK/FBPase 1 (C-6His)
Sequence:	<p>SPEMGELTQT RLQKIWIPIHS SGSSRLQRRR GSSIPQFTNS PTMVMVGLP ARGKTYISTK</p> <p>LTRYLNWIGT PTKVFNLGQY RREAVSYKNY EFFLPDNMEA LQIRKQCALA ALKD VHNLYS</p> <p>HEEGHVAVFD ATNTRRRS LILQFAKEHG YKVFFIESIC NDPGIIAENI RQVKLGSPDY</p> <p>IDCDREKVLE DFLKRIECYE VNYQPLDEEL DSHLSYIKIF DVGTRYMVNR VQDHIQSRTV</p> <p>YYLMNIHVTP RSIYLCRHGE SELNIRGRIG GDSGLSVRGK QYAYALANFI QSQGISSLKV</p> <p>WTSHMKRTIQ TAEALGVPEY QWKALNEIDA GVCEEMTYEE IQEHYPPEEFA LRDQDKYRYR</p> <p>YPKGESYEDL VQRLEPVIME LERQENLVI CHQAVMRCLL AYFLDKSSDE LPYLCPLHT</p> <p>VKLKTPVAYG CKVESIYLVN EAVNTHREKP ENVDITREPE EALDTPPAHY VDHHHHHH</p>
Characteristics:	Recombinant Human PFKFB1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 2-471) of Human PFKFB1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	PFKFB1
Alternative Name:	PFKFB1 ( <a href="#">PFKFB1 Products</a> )
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.
Molecular Weight:	55.6 kDa
UniProt:	<a href="#">P16118</a>
Pathways:	<a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

## Handling

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Expiry Date: 6 months