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Datasheet for ABIN7318504 PFKFB1 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human PFKFB1 Protein (His Tag)
Sequence:	Ser2-Tyr471
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PFKFB1
Alternative Name:	PFKFB1 (PFKFB1 Products)
Background:	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

Target Details

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.

Synonym: 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

Molecular Weight:	55.6 kDa
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UniProt:	P16118
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Pathways:	Regulation of Carbohydrate Metabolic Process
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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