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## Datasheet for ABIN7318896 PFKM Protein (His tag)

### Overview

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

### Product Details

Purpose:	Recombinant Human PFK1/PFKM Protein (His Tag)
Sequence:	Thr 2-Val 780
Characteristics:	Recombinant Human PhosphoFructoKinase, Muscle type is produced by our Mammalian expression system and the target gene encoding Thr2-Val780 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:	PFKM
Alternative Name:	PFK1/PFKM ( <a href="#">PFKM Products</a> )
Background:	Background: 6-phosphofructokinase, muscle type is a muscle-type isozyme that in humans is encoded by the PFKM gene. It belongs to the phosphofructokinase family and Two domains

Target Details

	subfamily. PFKM functions as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. PFK1 converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP.  Synonym: 6-phosphofructokinase, muscle type,Phosphofructo-1-kinase isozyme A,Phosphofructokinase 1,Phosphohexokinase,PFKM,PFKX,ATP-PFK,GSD7,PFK-1,PFK1,PFKA,PPP1R122
Molecular Weight:	86.1 kDa
UniProt:	<a href="#">P08237</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Warburg Effect</a>

Application Details

Restrictions:	For Research Use only
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Handling

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