

Datasheet for ABIN7197337

PFKM Protein (GST tag,His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Recombinant Human PFK1/PFKM Protein (His & GST Tag)
Sequence:	Thr 2-Val 780
Characteristics:	A DNA sequence encoding the human PFKM (P08237-1) (Thr2-Val780) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % 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 (PFKM Products)
Background:	Background: PFK1, also known as PFKM, is a regulatory glycolytic enzyme. PFK1 converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP. It is a muscle-type isozyme. There are three

Target Details

phosphofructokinase isozymes in humans: muscle, liver and platelet. These isozymes function as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. Mutations in PFK1 gene have been related with glycogen storage disease type VII, also identified as Tarui disease.

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:	112.9 kDa
Pathways:	Positive Regulation of Peptide Hormone Secretion , Negative Regulation of Hormone Secretion , Carbohydrate Homeostasis , Warburg Effect

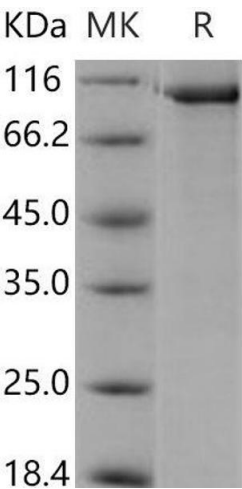
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 8.5, 10 % glycerol
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.