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Datasheet for ABIN7319866 **PFKFB3 Protein (His tag)**

Image



Overview

Quantity:	50 µg
Target:	PFKFB3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PFKFB3 protein is labelled with His tag.

Product Details

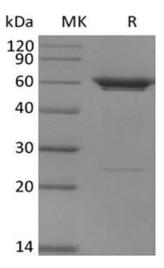
Purpose:	Recombinant Human PFKFB3 (N-6His)
Sequence:	Met1-His520
Characteristics:	Recombinant Human 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 is produced by our E.coli expression system and the target gene encoding Met1-His520 is expressed with a 6His tag at the N-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PFKFB3
Alternative Name:	PFKFB3 (PFKFB3 Products)
Background:	Background: Fructose-2,6-biphosphatase 3, also known as 6-phosphofructo-2-kinase or PFK2
	or PFKFB3, involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a

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	regulatory molecule that controls the activity of the enzymes phosphofructokinase 1 (PFK-1)
	and fructose 1,6-bisphosphatase (FBPase-1) to regulate glycolysis and gluconeogenesis. Highly
	phosphorylated PFKFB3 protein was found in human tumor cells, vascular endothelial cells, and
	smooth muscle cells. Because of its proto-oncogenic character, the PFK-2/FBPase-2 of the
	PFKFB3 gene is assumed to play a critical role in tumorigenesis. PFKFB3 also plays a crucial
	role in the progression of cancerous cells by enabling their glycolytic pathways even under
	severe hypoxic conditions, which makes it a potential target for cancer therapy.
	Synonym: IPFK2, PFK2, iPFK-2, PFK/FBPase 3
Molecular Weight:	61.8 kDa
UniProt:	Q16875
Pathways:	AMPK Signaling, Regulation of Carbohydrate Metabolic Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μm filtered solution of 50 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA,
	20 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.

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