

Recombinant Human PFKFB2 Protein, His-tagged

Cat. No. PFKFB2-643H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFKFB2, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	58.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PFKFB2 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 [Homo sapiens]
Official Symbol	PFKFB2
Synonyms	PFK-2/FBPase-2
Gene ID	5208
mRNA Refseq	NM_006212.2
Protein Refseq	NP_006203.2
MIM	171835
UniProt ID	O60825

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