Recombinant Human PFKFB1 Protein, His-tagged

Cat. No. PFKFB1-767H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFKFB1 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. 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. Multiple alternatively spliced transcript variants have been found for this gene.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	54.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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 Name	PFKFB1 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 [Homo sapiens (human)]
Official Symbol	PFKFB1
Synonyms	PFKFB1; F6PK; HL2K; PFRX; 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase 1; 6PF-2-K/Fru-2,6-P2ASE liver isozyme; fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatase; EC 2.7.1.105; EC 3.1.3.46
Gene ID	5207
mRNA Refseq	NM_001271804
Protein Refseq	NP_001258733
MIM	311790
UniProt ID	P16118

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