PRODUCT INFORMATION

Target	PFKFB3
Synonyms	iPFK-2; IPFK2; PFK2
Description	Purified recombinant protein of Human 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3), transcript variant 1, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Delivery	2-3 weeks
Uniprot ID	Q16875
Expression Host	E. coli
Tag	N-His
Molecular Characterization	N/A
Molecular Weight	59.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Formulation & Reconstitution	50mM Tris,8M Urea,pH8.0.
Storage & Shipping	Store at -80°C.
Background	The protein encoded by this gene belongs to a family of bifunctional proteins that are 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 (F2,6BP), and a fructose-2,6-biphosphatase activity that catalyzes the degradation of F2,6BP. This protein is required for cell cycle progression and prevention of apoptosis. It functions as a regulator of cyclin-dependent kinase 1, linking glucose metabolism to cell proliferation and survival in tumor cells. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2016]
Usage	Research use only
Conjugate	Unconjugated

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