

Active Recombinant Human PFKFB3 Protein, His & GST-tagged

Cat. No. PFKFB3-518H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PFKFB3 isoform 1 (Q16875-1) (Met 1-His 520) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-520 a.a.
Predicted N Terminal	Met
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.0, 10% glycerol, 0.3mM DTT.
Bio-activity	Kinase activity untested
Molecular Mass	The recombinant human PFKFB3 /GST chimera consists of 757 amino acids and has a calculated molecular mass of 87.4 KDa. It migrates as an approximately 75 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name PFKFB3 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 [Homo sapiens]

Official Symbol PFKFB3

Synonyms PFKFB3; 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3; iPFK-2; PFK/FBPase 3; 6PF-2-K/Fru-2,6-P2ase 3; renal carcinoma antigen NY-REN-56; 6PF-2-K/Fru-2,6-P2ase brain/placenta-type isozyme; 6-phosphofructo-2-kinase/ fructose-2,6-bisphosphatase; 6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase; fructose-6-phosphate,2-kinase/fructose-2, 6-bisphosphatase; inducible 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase; PFK2; IPFK2; FLJ37326;

Gene ID 5209

mRNA Refseq NM_001145443

Protein Refseq NP_001138915

MIM 605319

UniProt ID Q16875

Chromosome Location 10p15.1

Pathway AMPK signaling, organism-specific biosystem; Fructose and mannose metabolism,

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organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Metabolism, organism-specific biosystem;

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