

Recombinant Human PFKFB3 protein, His-tagged

Cat. No. PFKFB3-3284H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFKFB3 protein(243-520 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	243-520 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	HVQPRTIYLCRHGENEHNQGRIGGDSGLSSRGKKFASALSKFVEEQNLKDLRVWT SQLKSTIQTAELRLPYEQWKALNEIDAGVCEELTYEEIRDTYPEEYALREQDKYYR YPTGESYQDLVQRLEPVIMELERQENVLVICHQAVLRCLLAYFLDKSAEEMPYLKCP LHTVLKLTTPVAYGCRVESIYLNVESVCTHRERSEDAKKGPNPLMRRNSVTPLASPEP TKKPRINSFEEHVASTSAALPSCLPPEVPTQLPGQNMKGSRSSADSSRKH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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

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