

Product Data Sheet

Recombinant Human PFKFB1 Protein

Catalog #	Source	Reactivity	Applications
CRP2194	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human PFKFB1 Protein is produced by mammalian expression system and the target gene encoding Ser2-Tyr471 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	PFKFB1		
Alternative Names	F6PK; PFRX; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1; 6PF-2-K/Fru-2,6-P2ase 1; PFK/FBPase 1; 6PF-2-K/Fru-2,6-P2ase liver isozyme		
Entrez Gene	5207 (Human)		
SwissProt	P16118 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	SPEMGELTQT RLQKIWIPHS SGSSRLQRRR GSSIPQFTNS PTMVIMVGLP ARGKTYISTK LTRYLNWIGT PTKVFNLGQY RREAVSYKNY EFFLPDNMEA LQIRKQCALA ALKDVHNYLS HEEGHVAVFD ATNTRRRS LILQFAKEHG YKVFFIESIC NDPGIIAENI RQVKLGSPDY IDCDREKVL DFLKRIECYE VNYQPLDEEL DSHLSYIKIF DVGTRYMVNR VQDHIQSRTV YYLMNIHVTP RSIYLCRHGE SELNIRGRIG GDSGLSVRGK QYAYALANFI QSQGISSLKV WTSHMKRTIQ TAEALGVPE QWKALNEIDA GVCEEMTYEE IQEHYPPEEFA LRDQDKYRYP YPKGESYEDL VQRLEPVIME LERQENVLVI CHQAVMRCLL AYFLDKSSDE LPYLCPLHT VLKLTVPAYG CKVESIYLVN EAVNTHREKP ENVDITREPE EALDTPAHY VDHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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