Recombinant Rat 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 (Pfkfb2)

Product Code	CSB-MP884928RA
Abbreviation	Pfkfb2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9JJH5
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SENSTFSTE DSSSSSYKPH ASNLRRAGKK CSWASYMTNS PTLIVMIGLP ARGKTYVSKK LTRYLNWIGV PTKVFNLGVY RREAVKSYKS YDFFRHDNEE AMKIRKQCAL VALEDVKAYF TEESGQIAVF DATNTTRERR DMILNFAKQN AFKVFFVESV CDDPDVIAAN ILEVKVSSPD YPERNRENVM EDFLKRIECY KVTYQPLDPD NYDKDLSFIK VMNVGQRFLV NRVQDYIQSK IVYYLMNIHV HPRTIYLCRH GESEFNLLGK IGGDSGLSLR GKQFAQALKK FLEEQEIQDL KVWTSQLKRT IQTAESLGVT YEQWKILNEI DAGVCEEMTY SEIEQRYPEE FALRDQEKYL YRYPGGESYQ DLVQRLEPVI MELERQGNVL VISHQAVMRC LLAYFLDKGA DELPYLRCPL HIIFKLTPVA YGCKVETITL NVEAVDTHRD KPTHNFPKSQ TPVRMRRNSF TPLSSSNTIR RPRNYSVGSR PLKPLSPLRA LDMQEGADQP KTQVQQGSAQ ATEHLQKALE FANGHREVEN VLAKHRRPSM ASLTLLS
Source	Mammalian cell
Target Names	Pfkfb2
Protein Names	Recommended name: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 Short name= 6PF-2-K/Fru-2,6-P2ase 2 Short name= PFK/FBPase 2 Alternative name(s): 6PF-2-K/Fru-2,6-P2ase heart-type isozyme RH2K Including the following
Expression Region	2-557
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is 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, and a fructose-2,6-biphosphatase

	activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.