



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

<b>Product Code</b>	CSB-EP884928RA
<b>Abbreviation</b>	Pfkfb2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9JJH5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SENSTFSTE DSSSSSYKPH ASNLRRAGKK CSWASYMTNS PTLIVMIGLP ARGKTYVSKK LTRYLNWIGV PTKVFN LGVY RREAVKSYKS YDFFRHDNEE AMKIRKQCAL VALEDVKAYF TEESGQIAVF DATNTTRERR DMILNFAKQN AFKVFFVESV CDDPDVIAAN ILEVKVSSPD YPERNRENV M EDFLKRIECY KVTYQPLDPD NYDKDLSFIK VMNVGQRFLV NRVQDYIQSK IVYYLMNIHV HPRTIYLCRH GESEFNLLGK IGGDSGLSLR GKQFAQALKK FLEEQEIQDL KVVTSQLKRT IQTAESLGV T YEQWKILNEI DAGVCEEMTY SEIEQRYPEE FALRDQEKYL YRYPGGESYQ DLVQRLEPVI MELERQGNVL VISHQAVMRC LLAYFLDKGA DELPYLRCP L HIIFKLTPVA YGCKVETITL NVEAVDTHRD KPTHNFPKSQ TPVRMRRNSF TPLSSSNTIR RPRNYSVGS R PLKPLSPLRA LDMQEGADQP KTQVQQGSAQ ATEHLQKALE FANGHREVEN VLAKHRRPSM ASLTLLS
<b>Source</b>	E.coli
<b>Target Names</b>	Pfkfb2
<b>Protein Names</b>	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
<b>Expression Region</b>	2-557
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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-bisphosphatase



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.

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**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.

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**Shelf Life**

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