



Recombinant Human 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 (PFKFB2)

Product Code	CSB-MP017818HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60825
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SGASSSEQN NNSYETKTPN LRMSEKKCSW ASYMTNSPTL IVMIGLPARG KTYVSKKLTR YLNWIGVPTK VFNLGVYRRE AVKSYKSYDF FRHDNEEAMK IRKQCALVAL EDVKAYLTEE NGQIAVFDAT NTTRERRDMI LNFAEQNSFK VFFVESVCDD PDVIAANILE VKVSSPDYPE RNRENVMEF LKRIECYKVT YRPLDPDNYD KDLSFIKVIN VGQRFLVNRV QDYIQSKIVY YLMNIHVQPR TIYLCRHGES EFNLLGKIGG DSGLSVRGKQ FAQALRKFL EQEITDLKVV TSQLKRTIQT AESLGVPEYEQ WKILNEIDAG VCEEMTYAEI EKRYPEEFAL RDQEKYLYRY PGGESYQDLV QRLEPVIMEL ERQGNVLVIS HQAVMRCLLA YFLDKGADEL PYLRCPLHTI FKLTPVAYGC KVETIKLNVE AVNTHRDKPT NNFPKNQTPV RMRRNSFTPL SSSNTIRRP NYSVGSRPLK PLSPLRAQDM QEGAD
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 Including the following 2 domains
Expression Region	2-505
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-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.



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.