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## Datasheet for ABIN1653573 PFKFB2 Protein (AA 2-557) (His tag)

### Overview

Quantity:	1 mg
Target:	PFKFB2
Protein Characteristics:	AA 2-557
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PFKFB2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>SENSTFSTE DSSSSSYKPH ASNLRRAGKK CSWASYMTNS PTLIVMIGLP ARGKTYVSKK</p> <p>LTRYLNWIGV PTKVFNLG VY RREAVKSYKS YDFFRHDNEE AMKIRKQCAL VALEDVKAYF</p> <p>TEESGQIAVF DATNTTRERR DMILNFAKQN AFKVFFVESV CDDPDVIAAN ILEVKVSSPD</p> <p>YPERNRENV M EDFLKRIECY KVTYQPLDPD NYDKDLSFIK VMNVGQRFLV NRVQDYIQSK</p> <p>IVYYLMNIHV HPRTIYLCRH GESEFNLLGK IGGDSGLSLR GKQFAQALKK FLEEQEIQDL</p> <p>KVWTSQ LKRT IQTAESLGVT YEQWKILNEI DAGVCEEMTY SEIEQRYPEE FALRDQEKYL</p> <p>YRYPGGESYQ DLVQRLEPVI MELERQGNVL VISHQAVMRC LLAYFLDKGA DELPYLRCP L</p> <p>HIIFKLTPVA YGCKVETITL NVEAVDTHRD KPTHNFPKSQ TPVRMRRNSF TPLSSSNTIR</p> <p>RPRNYSVGS R PLKPLSPLRA LDMQEGADQP KTQVQQGSAQ ATEHLQKALE FANGHREVEN</p> <p>VLAKHRRPSM ASLTLLS</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

## Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: PFKFB2

Alternative Name: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 (Pfkfb2) ([PFKFB2 Products](#))

Background: 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 2 domains: 6-phosphofructo-2-kinase.  
EC= 2.7.1.105 Fructose-2,6-bisphosphatase.  
EC= 3.1.3.46

UniProt: [Q9JJH5](#)

Pathways: [PI3K-Akt Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

## Handling

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Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.