Datasheet for ABIN7587168

PFKM Protein (AA 2-780) (His tag)

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Overview

Quantity:	100 µg
Target:	PFKM
Protein Characteristics:	AA 2-780
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PFKM protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	THEEHHEAK TLGIGKAIAV LTSGGDAQGM NATVRAVVRV GIFTGLRVFF VHEGYQGLVD GGEHIREATW ESVSMMLQLG GTVIGSARCK DFREREGRLR AAHNLVKRGI TNLCVIGGDG SLTGADTFRS EWSDLLNDLQ KDGKITAEER TKSSYLNIVF LVGSIDNDFC GTDMTIGTDS ALHRIVEIVD AITTTAQSHQ RTFVLEVMGR HCGYLALVTS LSCGADWVFI PECPPDDDWE EHLCRRLSET RTRGSRLNII IVAEGAIDKN GKPITSEDIK NLVVKRLGYD TRVTVLGHVQ RGGTPSAFDR ILGSRMGVEA VMALLEGTPD TPACVVSLSG NTAVRLPLME CVQVTKDVTK AMDEKRFDEA IKLRGRSFMN NWEVYKLLAH VRPPVSKGGL HTVAVMNVGA PAAGMNAAVR STVRIGLIQG NRVLVVHDGF EGLAKGQIEE AGWSYVGGWT GQGGSKLGTK RTLPKKNLEQ ISANITKYNI QGLVIIGGFE AYTGGLELME GRKQFDELCI PFVVIPATVS NNVPGSDFSI GADTALNTIC TTCDRIKQSA AGTKRRVFII ETMGGYCGYL ATMAGLAAGA DAAYIFEEPF TIRDLQVNVE HLVQKMKTTV KRGLVLRNEK CNENYTTDFI FNLYSEEGKG IFDSRKNVLG HMQQGGNPTP FDRNFATKMG AKATNWMSGK IKESYRNGRI FANTPDSGCV LGMRKRALVF

Product Details

	QPVTELKDQT DFEHRIPKEQ WWLKLRPILK ILAKYEIDLD TSDHAHLEHI SRKRSGEAAV
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	PFKM
Alternative Name:	6-phosphofructokinase, muscle type (Pfkm) (PFKM Products)
Background:	Recommended name: 6-phosphofructokinase, muscle type. EC= 2.7.1.11. Alternative name(s): Phosphofructo-1-kinase isozyme A. Short name= PFK-A. Short name= Phosphofructokinase-M Phosphofructokinase 1 Phosphohexokinase
UniProt:	P47858
Pathways:	Positive Regulation of Peptide Hormone Secretion, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Warburg Effect

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 modificated 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
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.