

## Product datasheet for **AR09446PU-L**

### PFKM (1-780, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PFKM (1-780, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MTHEEHHAAK TLGIGKAIIV LTSGGDAQGM NAAVRAVVRV GIFTGARVFF VHEGYQGLVD GGDHIKEATW ESVSMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI TNLCVIGGDG SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNIVG LVGSIDNDFC GTDMTIGTDS ALHRIMEIVD AITTTAQSHQ RTFVLEVMGR HCGYLALVTS LSCGADWVFI PECPPDDDWE EHLRRLSET RTRGRSLNII IVAEGAIKDN GKPITSEDIK NLVVKRLGYD TRVTVLGHVQ RGGTPSAFDR ILGSRMGVEA VMALLEGTPD TPACVVSLSG NQAVRLPLME CVQVTKDVTM AMDEKKFDEA LKLRGRSFMN NWEVYKLLAH VRPPVSKSGS HTVAVMNVGA PAAGMNAAVR STVRIGLIQG NRVLVHDGF EGLAKGQIEE AGWSYVGGWT GQGGSKLGTK RTLPKKSFEQ ISANITKFNI QGLVIIGGFE AYTGGLELME GRKQFDELICI PFVVIPATVS NNVPGSDFSV GADTALNTIC TTCDRKQSA AGTKRRVFII ETMGGYCYL ATMAGLAAGA DAAYIFEFP TIRDLQANVE HLVQKMKTIV KRGLVLRNEK CNENYTTDFI FNLYSEEGKG IFDSRKNVLG HMQQGGSPTP FDRNFATKMG AKAMNWMMSGK IKESYRNGRI FANTPDSGCV LGMRKRALVF QPVAELKDQT DFEHRIPKEQ WWLKLRLPILK ILAKYEIDLD TSDHAHLEHI TRKRSGEAAV
Tag:	His-tag
Predicted MW:	87.3 kDa
Concentration:	lot specific
Purity:	> 90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 0.2 M NaCl, and 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PFKM protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_000280</a>
<b>Locus ID:</b>	5213
<b>UniProt ID:</b>	<a href="#">P08237</a> , <a href="#">A0A024R0Y5</a>
<b>Cytogenetics:</b>	12q13.11
<b>Synonyms:</b>	ATP-PFK; GSD7; PFK-1; PFK-A; PFK1; PFKA; PFKX; PPP1R122
<b>Summary:</b>	Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. These isozymes function as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. Tetramer composition varies depending on tissue type. This gene encodes the muscle-type isozyme. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway

**Product images:**