



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PFKM (Human) Recombinant Protein (P01)

**Catalog Number:** H00005213-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human PFKM full-length ORF ( NP\_000280.1, 1 a.a. - 780 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTHEEHAAKTLGIGKAIIVLTSGGDAQGMNAAVRAV  
VRVGIFTGARVFFVHEGYQGLVDGGDHIKEATWESVS  
MMLQLGGTVIGSARCKDFREREGRLRAAYNLVKRGIT  
NLCVIGGDGSLTGADTRSEWSDLLSDLQKAGKITDEE  
ATKSSYLNIVGLVGSIDNDFCGTDMTIGTDSALHRIMEI  
VDAITTTAQSHQRTFVLEVMGRHCGYLALVTSLSCGA  
DWVFIPECPPDDDWEHLCRRLSETRTRGSRLNIIIVA  
EGAIDKNGKPITSEDIKNLVVKRLGYDTRVTVLGHVQR  
GGTPSAFDRILGSRMGVEAVMALLEGTPDTPACVVSL  
SGNQAVRLPLMECVQVTKDVTKAMDEKKFDEALKLR  
GRSFMNNWEVYKLLAHVVRPPVSKSGSHTVAVMNVGA  
PAAGMNAAVRSTVRIGLIQGNRVLVVDHGFGLAKGQI  
EEAGWSYVGGWTGQGGSKLGTKRTLPKKSFEQISANI  
TKFNIQGLVIIGGFAYTGLELMGRKQFDELCPFVV  
IPATVSNVPGSDFSVGADTALNTICTTCDRIKQSAAG  
TKRRVFIETMGGYCGYLATMAGLAAGADAAYIFEEPF  
TIRDLQANVEHLVQKMKTTVKRGLVLRNEKCNENYTT  
DFIFNLYSEEGKIFDSRKNVLGHMQGGSPFPDRN  
FATKMGAKAMNWMSGKIKESYRNGRIFANTPDSGCVL  
GMRKRALVFQPVAVELKDQTDFEHRIPKEQWWLKLRLPI  
LKILAKYEIDLDTSDHAHLEHITRKRSGEAAV

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 111.6

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5213

**Gene Symbol:** PFKM

**Gene Alias:** GSD7, MGC8699, PFK-1, PFK-M, PFKX

**Gene Summary:** The PFKM gene encodes the muscle isoform of phosphofructokinase (PFK) (ATP:D-fructose-6-phosphate-1-phosphotransferase, EC 2.7.1.11). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. Mammalian PFK is a tetramer made up of various combinations of 3 subunits: muscle (PFKM), liver (PFKL; MIM 171860), and platelet (PFKP; MIM 171840), the genes for which are located on chromosomes 12q13, 21q22, and 10p, respectively. The composition of the tetramers differs according to the tissue type. Muscle and liver PFK are a homotetramers of 4M and 4L subunits, respectively. Erythrocytes contain both L and M subunits, which randomly tetramerize to form M4, L4, and M3L, M2L2, and ML3 hybrid forms of the holoenzyme (Vora et al., 1980 [PubMed 6444721]; Raben and Sherman, 1995 [PubMed 7550225]).[supplied by OMIM]