

## 32-3074: PFKM Recombinant Protein

**Alternative Name :** EC 2.7.1.11,GSD7,PFK-1,PFK1,PFKA,PFKX,Phosphofructokinase-M,Phosphofructokinase 1,Phosphohexokinase,Phosphofructo-1-kinase isozyme A,MGC8699,PFKM.

### Description

Source : Escherichia Coli. PFKM Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 800 amino acids (1-780 a.a.) and having a molecular mass of 87.3 kDa. PFKM protein is fused to a 20 amino acid His-Tag at N-terminus and purified by standard chromatography. PFKM is a regulatory glycolytic enzyme that converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP. Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. Mutations in PFKM gene have been related with glycogen storage disease type VII, also identified as Tarui disease.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 80% as determined by SDS-PAGE.  
**Content :** PFKM Human solution containing 20mM Tris HCL pH-8, 5mM DTT, 0.2M NaCl and 20% glycerol.  
**Storage condition :** PFKM human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MTHEEHHAAK TLGIGKIAIV LTSGGDAQGM NAAVRVVVVV  
 GIFTGARVFF VHEGYQLVD GGDHIKEATW ESVMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI  
 TNLVIGGDG SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNIVG LVGSIDNDFC GTDMTIGTDS  
 ALHRIMEIVD AITTTAQSHQ RTFVLEVMGR HCGYLALVTS LSCGADWVFI PECPPDDDWE EHLCRRLSET  
 RTRGSRNLNII IVAEGAIKDN GKPISEDIK NLVVKRLGYD TRVTVLGHVQ RGGTPSAFDR ILGSRMGVEA  
 VMALLEGTPD TPACVVSLSG NQAVRLPLME CVQVTKDVTK AMDEKKFDEA LKLRGRSFMN  
 NWEVYKLLAH VRPPVSKSGS HTVAVMNVGA PAAGMNAAVR STVRIGLIQG NRVLVVDHGF EGLAKGQIEE  
 AGWSYVGGWT GQGGSKLGTK RTLPKKSFEQ ISANITKFNI QGLVIIGGFE AYTGGLELME GRKQFDELICI  
 PFVVIPATVS NNVPGSDFSV GADTALNTIC TTCDRIKQSA AGTKRRVFII ETMGGYCGYL ATMAGLAAGA  
 DAAYIFEEPF TIRDLQANVE HLVQKMKTTV KRGLVLRNEK CNENYTTDFI FNLYSEEGKG IFDSRKNVLG  
 HMQQGGSPTP FDRNFATKMG AKAMNWMSGK IKESYRNGRI FANTPDSGCV LGMRKRALVF  
 QPVAELKDQT DFEHRIPKEQ WWLKLRLPILK ILAKYEIDLD TSDHAHLEHI TRKRSGEAAV.

