

## 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 NAAVRVVVV  
GIFTGARVFF VHEGYQLVD GGDHIKEATW ESVMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI  
TNLCVIGGDG SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNIVG LVGSIDNDFC GTDMTIGTDS  
ALHRIMEIVD AITTTAQSHQ RTFVLEVMGR HCGYLALVTS LSCGADWVFI PECPPDDDWE EHLCRRLSET  
RTRGRSLNII 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.

