

## 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 MTHEEHHA AK TLGIGKAI AV LTSGGDAQGM NAAVRAVVRV GIFTGARVFF VHEGYQGLVD GGDHIKEATW ESVMMLQLG GTVIGSARCK DFREREGRLR AAYNLVKRGI TNL CVIGGDG SLTGADTFRS EWSDLLSDLQ KAGKITDEEA TKSSYLNI VG LVGSIDNDFC GTDMTIGTDS ALHRIMEIVD AITTAQSHQ RTFVLEVMGR HCGYLALVTS LSCGADWVFI PECPPDDWE EHL CRRLSET RTRGSRLNII IVAEG AIDKN GKPITSEDIK NLVVKRLGYD TRVTVLGHVQ RGGTPSAFDR ILGSRMGVEA VMALLEGTPD TPACVVSLSG NQAVRLPLME CVQVTKDVT K AMDEKKFDEA LKLRGRSFMN NWEVYKLLAH VRPPVSKSGS HTVAVMNVGA PAAGMNA AVR STVRIGLIQG NRVLVVDGF EGLAKQIEE AGWSYVGGWT GQGGSKLGTK RTL PKKSFEQ ISANITKFNI QGLVIIGGFE AYTGGLELME GRKQFDEL CI PFVVIPATVS NNVPGSDFSV GADTALNTIC TTC DRIKQSA AGTKRRVFII ETMGGYCGYL ATMAGLAAGA DAAYIFE EPF TIRDLQANVE HLVQKMKTTV KRGLVLRNEK CNENYTTDFI FNLYSEEGKG IFDSRKNVLG HMQQGGSPTP FDRNFATKMG AKAMNWMMSGK IKESYRNGRI FANTPDSGCV LGMRKRALVF QPVAELKDQT DFEHRIPKEQ WWLKL RPILK ILAKYEIDLD TSDHAHLEHI TRKRSGEAAV.

