

## 32-8420: Recombinant Human Phosphofructokinase 1/PFKM/PFKX (C-6His)

**Gene :** PFKM  
**Gene ID :** 5213  
**Uniprot ID :** P08237

### Description

Source: Human Cells.  
MW :86.1kD.

Recombinant Human PFKM is produced by our Mammalian expression system and the target gene encoding Thr2-Val780 is expressed with a 6His tag at the C-terminus. 6-phosphofructokinase, muscle type is a muscle-type isozyme that in humans is encoded by the PFKM gene. It belongs to the phosphofructokinase family and Two domains subfamily. PFKM functions as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. PFK1 converts fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** THEEHHAAKTLGIGKAIAVLTSGGDAQGMNAAVRAVVRVGIFTGARVFFVHEGYQGLVDGGDHIKEATWESVS  
MMLQLGGTVIGSARCKDFREREGRLRAAYNLVKRITNLCVIGDGS�TGADTFRSEWSDLLSDLQKAGKITD  
EEATKSSYLNIVGLVGSIDNDFCGTDMTIGTDSALHRIMEIVDAITTAQSHQRTFVLEVMGRHCGYLALVTSLS  
CGADWVFIPECPPDDDDWEEHLCRRLSETRTRGSRLNIIIVAEGAIDKNGKPITSEDIKNLVVKRLGYDTRVTVLG  
HVQRGGTPSAFDRLGSRMGVEAVMALLEGTPDTPACVVSLSGNQAVRLPLMECVQVTKDVTKAMDEKKFDE  
ALKLRGRSFMNNWEVYKLLAHVRPPVSKSGSHTVAVMNVGAPAAAGMNAAVRSTVRIGLIQGNRVLVHDGFE  
GLAKGQIEEAGWSYVGGWTGQGGSKLGTKRTPKKSFEQISANITKFNIQGLVIIGGFAYTGGLELMEGRKQF  
DELCPFVVIPATVSNNVPGSDFSVGADTALNTICTTCDRIKQSAAGTKRRVFIIETMGGYCGYLATMAGLAAGA  
DAAYIFEEPFTIRDQANVEHLVQKMKTVKRGLVLRNEKCNENYTTDFIFNLYSEEGKGFIDSRKNVLGHMQQ  
GGSPTPFDRNFATKMGAKAMNWMMSGKIKESYRNGRIFANTPDSGCVLGMRKRALVFQVVAELKDQTD FEHRI  
PKEQWWLKLRLPILKILAKYEIDLDTSDHAHLEHITRKRSGEAAVVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.