

Product datasheet for **SC337434**

PFKP (NM_001242339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFKP (NM_001242339) Human Untagged Clone
Tag:	Tag Free
Symbol:	PFKP
Synonyms:	ATP-PFK; PFK-C; PFK-P; PFKF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001242339, the custom clone sequence may differ by one or more nucleotides

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ATGTGCGGGTATGAACGCTGCCGTCCGTGCCGTGGTGCGCATGGGTATCTACGTGGGGGCCAAGGTGTAC
TTCATCTACGAGGGCTACCAGGGCATGGTGGACGGAGGCTCAAACATCGCAGAGGCCGACTGGGAGAGTG
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GCCAGGAACGGCCAGATCGATAAGGAGGCCGTGCAGAAGTACGCCTACCTCAACGTGGTGGGCATGGTGG
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GAGAGCTCGAGTAAAACCTACACCACCGACTTCATTTACCAGCTGTATTAGAAAGAGGGCAAGGGGTGT
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GCCCTCATGAAAATCCTGGCCAAGTACAAGGCCAGCTATGACGTGTCGGACTCAGGCCAGCTGGAACAT
GTGCAGCCCTGGAGTGTCTGA
    
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- Restriction Sites:** Sgfl-RsrII
- ACCN:** NM_001242339
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001242339.1 , NP_001229268.1
RefSeq Size:	2781 bp
RefSeq ORF:	2331 bp
Locus ID:	5214
UniProt ID:	Q01813
Cytogenetics:	10p15.2
Protein Families:	Druggable Genome
Protein Pathways:	Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway
Gene Summary:	<p>This gene encodes a member of the phosphofructokinase A protein family. The encoded enzyme is the platelet-specific isoform of phosphofructokinase and plays a key role in glycolysis regulation. This gene may play a role in metabolic reprogramming in some cancers, including clear cell renal cell carcinomas, and cancer of the bladder, breast, and lung. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences causes translation initiation at an alternate AUG and results an isoform (2) that is shorter and has a distinct N-terminus, compared to isoform 1.</p>