

Product datasheet for RC200673L1

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OriGene Technologies, Inc.

PFKP (NM_002627) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PFKP (NM_002627) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PFKP

Synonyms: ATP-PFK; PFK-C; PFK-P; PFKF

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

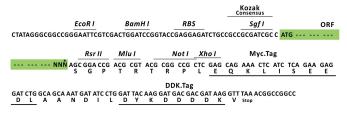
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200673).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_002627

ORF Size: 2352 bp





PFKP (NM_002627) Human Tagged Lenti ORF Clone - RC200673L1

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: 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: <u>NM 002627.3</u>

 RefSeq Size:
 2657 bp

 RefSeq ORF:
 2355 bp

 Locus ID:
 5214

 UniProt ID:
 001813

Cytogenetics: 10p15.2

Domains:

Protein Families: Druggable Genome

PFK

Protein Pathways: Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis,

Metabolic pathways, Pentose phosphate pathway

MW: 85.6 kDa

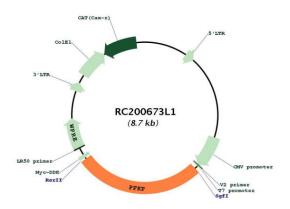
Gene Summary: This gene encodes a member of the phosphofructokinase A protein family. The encoded

enzyme is the platelet-specific isoform of phosphofructokinase and plays a key role in

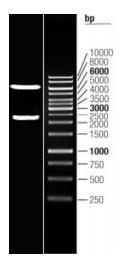
glycolysis regulation. This gene may play a role in metabolic reprogramming in some cancers, including clear cell renal cell carcinomas, and cancer of the bladder, breast, and lung. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]



Product images:



Circular map for RC200673L1



Double digestion of RC200673L1 using Sgfl and Rsrll