

OriGene Technologies, Inc.

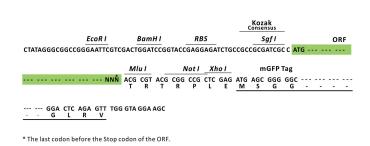
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RC212337L4

Pyruvate Kinase (PKLR) (NM_181871) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pyruvate Kinase (PKLR) (NM_181871) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Pyruvate Kinase
Synonyms:	PK1; PKL; PKRL; RPK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212337).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GC C <mark>ATG // NNŇ</mark> ACG CGT



ACCN: ORF Size: NM_181871 1629 bp



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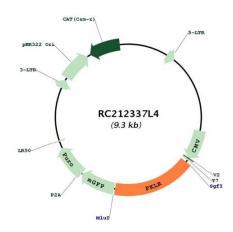
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of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, DriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.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 throug variants is recommended prior to use. <u>More infe</u> OTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression variants is recommended prior to use. <u>More infe</u> OTI Annotation: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 Method1. Centrifuge at 5,000xg for 5min. 2. Carefully open 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 liqui at the bottom. 2. 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 181871.1RefSeq Size:132Pa0613UniProt ID: Pa0613Cytogenetics:1422Protein Families:Drugable GenomeProtein Families:Drugable GenomeProtein Families:St.3 kDaGene Summary:Kiba GenomeProtein encoded by this gene is a pyruvate kinase that catalyzes the transphosphorylatio	Pyruvate Kinase (PKLR) (NM_181871) Human Tagged Lenti ORF Clone – RC212337L4	
reference only. However, individual transcript sequences of the same gene can differ througl 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 infoOTI 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 ovrtex the tube and then do a quick spin (less than 5000xg) to concentrate the liqui 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 181871.1RefSeq ORF:1632 bpLocus ID:P30613Cytogenetics:1q22Protein Families:Druggable GenomeProtein Families:Druggable GenomeProtein Families:Glecolysis / Gluconeogenesis, Insulin signaling pathway, Maturity onset diabetes of the young Metabolic pathways, Purine metabolism, Pyruvate metabolism, Type II diabetes mellitusMW:58.3 kDaGene Summary:The protein encoded by this gene is a pyruvate kinase that catalyzes the transphosphorylation of phohsphoenolpyruvate into pyruvate and ATP, which is the rate- limiting step of glycolysis. De	OTI Disclaimer:	OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by
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Product images:



Circular map for RC212337L4

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