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Product datasheet for RC207264L3V

Glycerol kinase (GK) (NM_203391) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glycerol kinase (GK) (NM_203391) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Glycerol kinase
Synonyms:	GK1; GKD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_203391
ORF Size:	1590 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207264).
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.
RefSeq:	NM_203391.1, NP_976325.1
RefSeq Size:	4503 bp
RefSeq ORF:	1593 bp
Locus ID:	2710
UniProt ID:	P32189
Cytogenetics:	Xp21.2
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways, PPAR signaling pathway

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MW: 58.2 kDa

Gene Summary: The protein encoded by this gene belongs to the FGGY kinase family. This protein is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Mutations in this gene are associated with glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]