

Product datasheet for RC207264L4V

OriGene Technologies, Inc.

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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 Puromycin

Selection:

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_203391 **ORF Size:** 1590 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC207264).

Sequence:

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.

RefSeg: NM 203391.1, NP 976325.1

 RefSeq Size:
 4503 bp

 RefSeq ORF:
 1593 bp

 Locus ID:
 2710

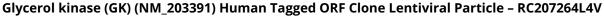
 UniProt ID:
 P32189

Cytogenetics: Xp21.2

Protein Families: Druggable Genome

Protein Pathways: Glycerolipid metabolism, Metabolic pathways, PPAR signaling pathway





ORIGENE Glyc

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]