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Product datasheet for RC202812L3V

RFK (NM_018339) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RFK (NM_018339) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RFK
Synonyms:	RIFK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_018339
ORF Size:	486 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202812).
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_018339.3
RefSeq Size:	2707 bp
RefSeq ORF:	468 bp
Locus ID:	55312
UniProt ID:	Q969G6
Cytogenetics:	9q21.13
Domains:	FAD_Synth
Protein Families:	Druggable Genome

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Protein Pathways: Metabolic pathways, Riboflavin metabolism

MW: 18.4 kDa

Gene Summary: Riboflavin kinase (RFK; EC 2.7.1.26) is an essential enzyme that catalyzes the phosphorylation of riboflavin (vitamin B2) to form flavin mononucleotide (FMN), an obligatory step in vitamin B2 utilization and flavin cofactor synthesis (Karthikeyan et al., 2003 [PubMed 12623014]). [supplied by OMIM, Nov 2009]