

Product datasheet for **RC215879L2V**

CGK2 (PRKG2) (NM_006259) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CGK2 (PRKG2) (NM_006259) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CGK2
Synonyms:	cGK2; cGKII; PKG2; PRKGR2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006259
ORF Size:	2286 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215879).
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_006259.1
RefSeq Size:	3328 bp
RefSeq ORF:	2289 bp
Locus ID:	5593
UniProt ID:	Q13237
Cytogenetics:	4q21.21
Domains:	cNMP, pkinase, S_TK_X, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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Protein Pathways: Gap junction, Long-term depression, Olfactory transduction

MW: 87.3 kDa

Gene Summary: This gene encodes a protein that belongs to the serine/threonine protein kinase family of proteins. The encoded protein binds to and inhibits the activation of several receptor tyrosine kinases. The membrane-bound protein is a regulator of intestinal secretion, bone growth and renin secretion. Alternate splicing results in multiple transcript variants encoding distinct isoforms whose regulatory N-termini differ in length but whose C-terminal catalytic domains are identical. [provided by RefSeq, May 2018]