

Product datasheet for **RC202510L2V**

Guanylate kinase (GUK1) (NM_000858) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Guanylate kinase (GUK1) (NM_000858) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Guanylate kinase
Synonyms:	GMK
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000858
ORF Size:	591 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202510).
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_000858.4
RefSeq Size:	1155 bp
RefSeq ORF:	594 bp
Locus ID:	2987
UniProt ID:	Q16774
Cytogenetics:	1q42.13
Domains:	Guanylate_kin, GuKc
Protein Families:	Druggable Genome


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Protein Pathways: Metabolic pathways, Purine metabolism

MW: 21.7 kDa

Gene Summary: The protein encoded by this gene is an enzyme that catalyzes the transfer of a phosphate group from ATP to guanosine monophosphate (GMP) to form guanosine diphosphate (GDP). The encoded protein is thought to be a good target for cancer chemotherapy. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]