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Product datasheet for RC205340L4V

LGI1 (NM_005097) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LGI1 (NM_005097) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LGI1
Synonyms:	ADLTE; ADPAEF; ADPEAF; EPITEMPIN; EPT; ETL1; IB1099
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005097
ORF Size:	1671 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205340).
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_005097.1
RefSeq Size:	2366 bp
RefSeq ORF:	1674 bp
Locus ID:	9211
UniProt ID:	O95970
Cytogenetics:	10q23.33
Domains:	LRRCT, LRR, LRR_TYP, EPTP
Protein Families:	Druggable Genome, Secreted Protein

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MW: 63.8 kDa

Gene Summary: This gene encodes a member of the secreted leucine-rich repeat (LRR) superfamily and shares homology with members of the SLIT protein family. The encoded protein may regulate the activity of voltage-gated potassium channels and may be involved in neuronal growth regulation and cell survival. This gene is rearranged as a result of translocations in glioblastoma cell lines, and it is frequently down-regulated or rearranged in malignant gliomas. Mutations in this gene result in autosomal dominant lateral temporal epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]