

Product datasheet for **RC213528L4V**

LCTL (NM_207338) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LCTL (NM_207338) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LCTL
Synonyms:	KLG; KLPH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_207338
ORF Size:	1701 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213528).
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_207338.2
RefSeq Size:	2128 bp
RefSeq ORF:	1704 bp
Locus ID:	197021
UniProt ID:	Q6UWM7
Cytogenetics:	15q22.31
Protein Families:	Transmembrane
MW:	64.9 kDa



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Gene Summary:

This gene encodes a member of family 1 glycosidases. Glycosidases are enzymes that hydrolyze glycosidic bonds and are classified into families based on primary amino acid sequence. Most members of family 1 have two conserved glutamic acid residues, which are required for enzymatic activity. The mouse ortholog of this protein has been characterized and has a domain structure of an N-terminal signal peptide, glycosidase domain, transmembrane domain, and a short cytoplasmic tail. It lacks one of the conserved glutamic acid residues important for catalysis, and its function remains to be determined (PMID: 12084582). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]