

## Product datasheet for **RC218958L4V**

### LIPT1 (NM\_145197) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	LIPT1 (NM_145197) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LIPT1
Synonyms:	LIPT1D
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145197
ORF Size:	1119 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218958).
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. <a href="#">More info</a>
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:	<a href="#">NM_145197.1</a>
RefSeq Size:	1584 bp
RefSeq ORF:	1122 bp
Locus ID:	51601
UniProt ID:	<a href="#">Q9Y234</a>
Cytogenetics:	2q11.2
Domains:	BPL_LipA_LipB
Protein Pathways:	Lipoic acid metabolism, Metabolic pathways



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**MW:** 42.5 kDa

**Gene Summary:** The process of transferring lipoic acid to proteins is a two-step process. The first step is the activation of lipoic acid by lipoate-activating enzyme to form lipoyl-AMP. For the second step, the protein encoded by this gene transfers the lipoyl moiety to apoproteins. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 13. Read-through transcription also exists between this gene and the neighboring downstream mitochondrial ribosomal protein L30 (MRPL30) gene. [provided by RefSeq, Mar 2011]