

Product datasheet for **RC222961L4V**

CARMIL (CARMIL1) (NM_017640) Human Tagged ORF Clone Lentiviral Particle

Product data:

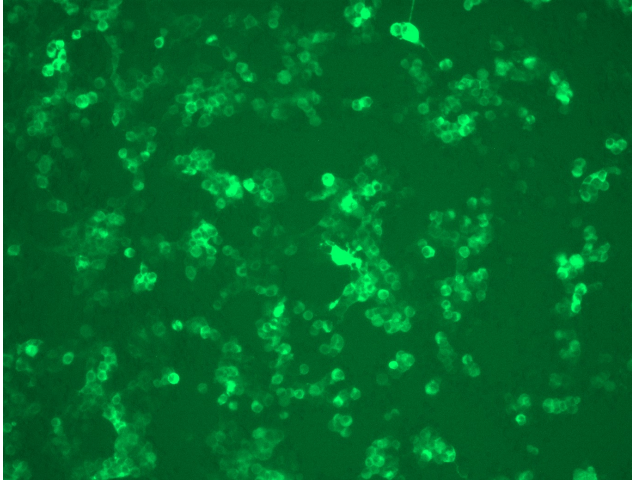
Product Type:	Lentiviral Particles
Product Name:	CARMIL (CARMIL1) (NM_017640) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CARMIL
Synonyms:	CARMIL; CARMIL1a; dj501N12.1; dj501N12.5; LRRC16; LRRC16A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017640
ORF Size:	3978 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222961).
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_017640.6
RefSeq Size:	5485 bp
RefSeq ORF:	4116 bp
Locus ID:	55604
UniProt ID:	Q5VZK9
Cytogenetics:	6p22.2
MW:	151.6 kDa



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Gene Summary:

Cell membrane-cytoskeleton-associated protein that plays a role in the regulation of actin polymerization at the barbed end of actin filaments. Prevents F-actin heterodimeric capping protein (CP) activity at the leading edges of migrating cells, and hence generates uncapped barbed ends and enhances actin polymerization, however, seems unable to nucleate filaments (PubMed:16054028). Plays a role in lamellipodial protrusion formations and cell migration (PubMed:19846667).[UniProtKB/Swiss-Prot Function]

Product images:

[RC222961L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC222961L4V particle to overexpress human CARMIL1-mGFP fusion protein.