

Product datasheet for **RC230708L4V**

CARMIL (CARMIL1) (NM_001173977) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CARMIL (CARMIL1) (NM_001173977) 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_001173977
ORF Size:	4095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230708).
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_001173977.1
RefSeq ORF:	4098 bp
Locus ID:	55604
Cytogenetics:	6p22.2
MW:	151.3 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]