

## Product datasheet for **RC210277L2V**

### MARCKS (NM\_002356) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MARCKS (NM_002356) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MARCKS
Synonyms:	80K-L; MACS; PKCSL; PRKCSL
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002356
ORF Size:	996 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210277).
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_002356.4</a>
RefSeq Size:	2589 bp
RefSeq ORF:	999 bp
Locus ID:	4082
UniProt ID:	<a href="#">P29966</a>
Cytogenetics:	6q21
Domains:	MARCKS
Protein Families:	Druggable Genome



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**Protein Pathways:** Fc gamma R-mediated phagocytosis

**MW:** 31.4 kDa

**Gene Summary:** The protein encoded by this gene is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis. [provided by RefSeq, Jul 2008]