

Product datasheet for **RC200663L2V**

Melanoma gp100 (PMEL) (NM_006928) Human Tagged ORF Clone Lentiviral Particle

Product data:

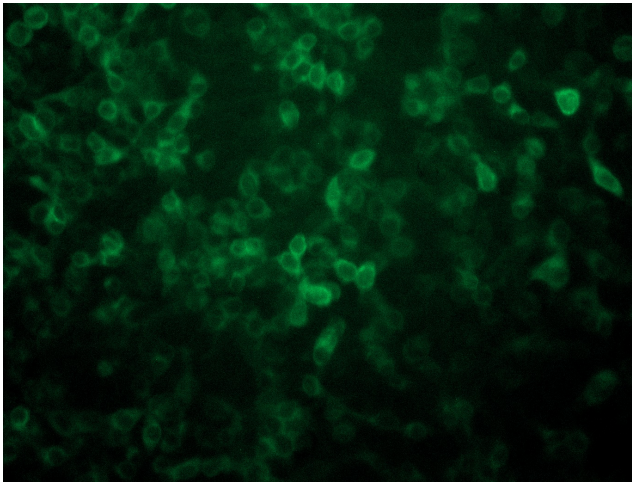
Product Type:	Lentiviral Particles
Product Name:	Melanoma gp100 (PMEL) (NM_006928) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PMEL
Synonyms:	D12S53E; gp100; ME20; ME20-M; ME20M; P1; P100; PMEL17; SI; SIL; SILV
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006928
ORF Size:	1983 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200663).
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_006928.3
RefSeq Size:	2143 bp
RefSeq ORF:	1986 bp
Locus ID:	6490
UniProt ID:	P40967
Cytogenetics:	12q13.2
Protein Families:	Secreted Protein, Transmembrane
MW:	70.1 kDa



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Gene Summary:

This gene encodes a melanocyte-specific type I transmembrane glycoprotein. The encoded protein is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. This protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. This protein undergoes a complex pattern of posttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of this protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2011]

Product images:

[RC200663L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC200663L2V particle to overexpress human PMEL-mGFP fusion protein.