

Product datasheet for **MR205143L4V**

Pcgf2 (NM_001163307) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pcgf2 (NM_001163307) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pcgf2
Synonyms:	mel-18; Mel18; Rnf110; Zfp144
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001163307
ORF Size:	1029 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205143).
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_001163307.1 , NP_001156779.1
RefSeq Size:	2485 bp
RefSeq ORF:	1029 bp
Locus ID:	22658
UniProt ID:	P23798
Cytogenetics:	11 61.06 cM



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Gene Summary:

Transcriptional repressor (PubMed:8521824). Binds specifically to the DNA sequence 5'-GACTNGACT-3' (PubMed:8521824). Has tumor suppressor activity (PubMed:8521824). May play a role in control of cell proliferation and/or neural cell development (Probable). Regulates proliferation of early T progenitor cells by maintaining expression of HES1(PubMed:15728456). Also plays a role in antero-posterior specification of the axial skeleton and negative regulation of the self-renewal activity of hematopoietic stem cells (PubMed:8625838, PubMed:15183898). Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (By similarity).[UniProtKB/Swiss-Prot Function]