

Product datasheet for **MR219067L4V**

Ccdc36 (NM_001135198) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ccdc36 (NM_001135198) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ccdc36
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001135198
ORF Size:	1722 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219067).
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_001135198.1
RefSeq Size:	2878 bp
RefSeq ORF:	1725 bp
Locus ID:	434438
UniProt ID:	Q6PDM4
Cytogenetics:	9 F2



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Gene Summary:

Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination (PubMed:27723721). Probably acts by forming a complex with MEI4 and REC114, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis (PubMed:27723721). Not required for HORMAD1 functions in pairing-independent synaptonemal complex formation, ATR recruitment to unsynapsed axes, meiotic silencing of unsynapsed chromatin (MSUC) or meiotic surveillance (PubMed:27723721).[UniProtKB/Swiss-Prot Function]