Product datasheet for MR216815L4V

Mia2 (NM_001165253) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mia2 (NM_001165253) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mia2
Synonyms:	Ctage5; D12Bwg0579e; Mea6; Mgea; Mgea6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001165253
ORF Size:	2316 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216815).
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_001165253.1
RefSeq Size:	2832 bp
RefSeq ORF:	2319 bp
Locus ID:	338320
Cytogenetics:	12 C1

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Gene Summary: This gene encodes a protein that is involved in endoplasmic reticulum-to-Golgi trafficking and regulation of cholesterol metabolism. Three major classes of transcripts are generated from this gene- melanoma inhibitory activity 2-specific transcripts, cTAGE family member 5-specific transcripts and transcripts that include exons from both these transcript species. Additionally, alternative splicing in these transcripts results in multiple transcript variants encoding diverse isoforms. A mutation in this gene (couch-potato or cpto) may result in low levels of plasma cholesterol and triglycerides. [provided by RefSeq, Sep 2016]