

## Product datasheet for **RC231221L4V**

### MEF2C (NM\_001193348) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MEF2C (NM_001193348) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MEF2C
Synonyms:	C5DELq14.3; DEL5q14.3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001193348
ORF Size:	1251 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231221).
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_001193348.1</a> , <a href="#">NP_001180277.1</a>
RefSeq ORF:	1254 bp
Locus ID:	4208
UniProt ID:	<a href="#">Q06413</a>
Cytogenetics:	5q14.3
Protein Families:	Transcription Factors
Protein Pathways:	MAPK signaling pathway
MW:	45.4 kDa



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**Gene Summary:**

This locus encodes a member of the MADS box transcription enhancer factor 2 (MEF2) family of proteins, which play a role in myogenesis. The encoded protein, MEF2 polypeptide C, has both trans-activating and DNA binding activities. This protein may play a role in maintaining the differentiated state of muscle cells. Mutations and deletions at this locus have been associated with severe cognitive disability, stereotypic movements, epilepsy, and cerebral malformation. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010]