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Product datasheet for RC209108L2V

MYOD1 (NM_002478) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MYOD1 (NM_002478) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYOD1
Synonyms:	bHLHc1; MYF3; MYOD; MYODRIF; PUM
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002478
ORF Size:	960 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209108).
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_002478.3
RefSeq Size:	1823 bp
RefSeq ORF:	963 bp
Locus ID:	4654
UniProt ID:	P15172
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	34.5 kDa

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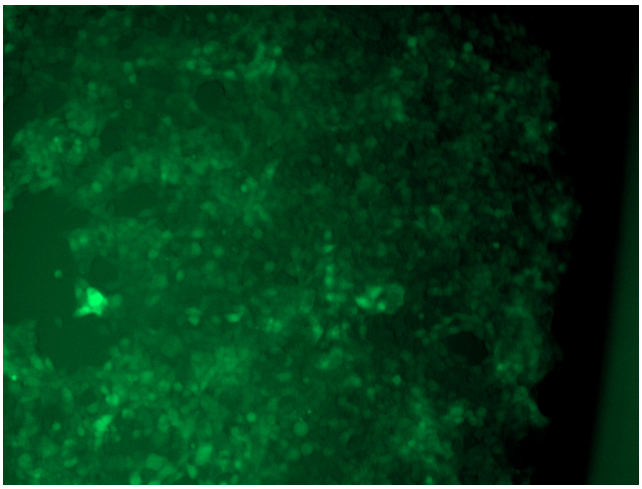
Gene Summary: This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis. [provided by RefSeq, Jul 2008]

Product images:



[RC209108L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC209108L2V particle to overexpress human MYOD1-mGFP fusion protein.