

Product datasheet for **MR225026L3V**

Myod1 (NM_010866) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Myod1 (NM_010866) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Myod1
Synonyms:	AI503393; bHLHc1; MYF3; MyoD; Myod-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_010866
ORF Size:	954 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225026).
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_010866.2 , NP_034996.2
RefSeq Size:	1854 bp
RefSeq ORF:	957 bp
Locus ID:	17927
UniProt ID:	P10085
Cytogenetics:	7 30.03 cM



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Gene Summary:

Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation (PubMed:16901893). Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins (PubMed:21798092, PubMed:3175662).[UniProtKB/Swiss-Prot Function]