

Product datasheet for **RC210368L2V**

Myostatin Propeptide (MSTN) (NM_005259) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Myostatin Propeptide (MSTN) (NM_005259) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Myostatin Propeptide
Synonyms:	GDF8; MSLHP
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005259
ORF Size:	1125 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210368).
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_005259.1
RefSeq Size:	2823 bp
RefSeq ORF:	1128 bp
Locus ID:	2660
UniProt ID:	O14793
Cytogenetics:	2q32.2
Protein Families:	Druggable Genome, Secreted Protein
MW:	42.8 kDa



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Gene Summary:

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein negatively regulates skeletal muscle cell proliferation and differentiation. Mutations in this gene are associated with increased skeletal muscle mass in humans and other mammals. [provided by RefSeq, Jul 2016]