

Product datasheet for **SC215301**

Myostatin Propeptide (MSTN) (NM_005259) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Myostatin Propeptide
Synonyms:	GDF8; MSLHP
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_005259
Insert Size:	1588 bp



Insert Sequence:

>SC215301 3'UTR clone of NM_005259

The sequence shown below is from the reference sequence of NM_005259. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
ATGGTAGTAGACCGCTGTGGGTGCTCATGAGATTATATTAAGCGTTCATAACTTCTAAAACATGGAA
GGTTTTCCCTCAACAATTTTGAAGCTGTGAAATTAAGTACCACAGGCTATAGGCTAGAGTATGCTAC
AGTCACTTAAGCATAAGCTACAGTATGTAACTAAAAGGGGAATATATGCAATGGTTGGCATTTAAC
ATCCAAACAAATCATAACAAGAAAGTTTATGATTTCAGAGTTTTTGAGCTAGAAGGAGATCAAAATTAC
ATTTATGTTTCTATATATTACAACATCGGCGAGGAAATGAAAGCGATTCTCCTTGAGTTCTGATGAATT
AAAGGAGTAGCTTTAAAGTCTATTTCTTTAAAGTTTTGTTTAATTTACAGAAAAATCCACATACAG
TATTGGTAAATGCAGGATTGTTATATACCATCATTCGAATCATCCTTAACACTTGAATTTATATTGT
ATGGTAGTACTTGGTAAGATAAAATCCACAAAAATAGGGATGGTGCAGCATATGCAATTTCCATTC
CTATTATAATTGACACAGTACATTAACAATCCATGCCAACGGTGCTAATACGATAGGCTGAATGTCTGA
GGCTACCAGGTTTATCATAAAAAACATTCAGTAAATAGTAAGTTTCTCTTTTCTTCAGGTGCATTT
TCCTACACCTCCAAATGAGGAATGGATTTTCTTTAATGTAAGAAGAACATTTTTCTAGAGGTTGGCTT
TCAATTCGTAGCATACTTGGAGAACTGCATTATCTTAAAGGCAGTCAAATGGTGTGTTTTTATC
AAAATGTCAAAATAACATACTTGGAGAAATGTAATTTTGTCTTTGGAAAAATTACAACACTGCCTTTG
CAACACTGCAGTTTTTATGGTAAAATAATAGAAATGATCGACTCTATCAATATTGTATAAAAAGACTGA
AACAATGCATTTATATAATATGTATACAATATTGTTTTGTAATAAGTGTCTCTTTTTTTTACTTTT
GGTATATTTTACACTAAGGACATTTCAAATTAAGTACTAAGGCACAAAGACATGTCATGCATCAGAGA
AAAGCAACTACTTATATTTAGAGCAAAATAGCAGATTAATAGTGGTCTTAAACTCCATATGTTAAT
GATTAGATGGTTATATTACAATCATTTTATATTTTTTACATGATTAACATTCATTTATGGATTCATGA
TGGCTGTATAAAGTGAATTTGAAATTTCAATGGTTTACTGTCTTGTGTTAAATCTCAACGTTCCATT
ATTTTAATACTTGCAAAAACATTACTAAGTATACCAAAATAATTGACTCTATTATCTGAAATGAAGAAT
AACTGATGCTATCTCAACAATAACTGTTACTTTTATTTTATAATTTGATAATGAATATATTTCTGCAT
TTATTTACTTCTGTTTTGTAATTTGGGATTTTGTAAATCAAATTTATTGACTATGACTAAATGAAAT
ATTTCTTACATCTAATTTGTAGAAACAGTATAAGTTATATTAAGTGTGTTTACATTTTTTTGAAAGACA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

NM_005259.3

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]
Locus ID:	2660
MW:	62.7