

## Product datasheet for **TP310368**

### Myostatin Propeptide (MSTN) (NM\_005259) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myostatin (MSTN), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210368 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MQKLQLCVYIYLFMLIVAGPVDLNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKIQLSKLRLETAP  
NISKDVIRQLLPKAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTETIITMPTESDFLMQVDGKPKCCFF  
KFSSKIQYNKVVKAQLWIYLRPVETPTTVFVQILRLIKPMKDGTRYTGIRSLKLDMPGTGIWQSIDVKT  
VLQNWLKQPESNLGIEIKALDENGHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRRDFGLDCDEHSTESR  
CCRYPLTVDFEAFGWDWIIAPKRYKANYCSGECEVFVLQKYPHTHLVHQANPRGSAGPCCTPTKMSPINM  
LYFNGKEQIIYGKIPAMVVDRCGCS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	42.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_005250</a></u>
Locus ID:	2660



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UniProt ID: [O14793](#), [Q53S46](#)

RefSeq Size: 2823

Cytogenetics: 2q32.2

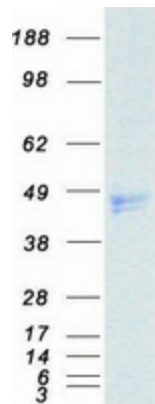
RefSeq ORF: 1125

Synonyms: GDF8; MSLHP

**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]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified MSTN protein (Cat# TP310368). The protein was produced from HEK293T cells transfected with MSTN cDNA clone (Cat# [RC210368]) using MegaTran 2.0 (Cat# [TT210002]).