

## Product datasheet for TP527629

### Mstn (NM\_010834) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myostatin (Mstn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227629 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MMQKLQMYVYIYLFMLIAAGPVDLNEGSEREENVEKEGLCNACAWRQNTRYSRIEAIKIQLSKLRLETA PNISKDAIRQLLPRAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTETIITMPTESDFLMQADGPKKCCF FKFSSKIQYNKVKAQLWIYLRPVKPTTVFVQILRLIKPMKDGTRYTGIRSLKLDMSPGTGIWQSIDVK TVLQNWLKQPESNLGIEIKALDENGHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRRDFGLDCDEHSTES RCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGECFVFLQKYPHTLVHQQANPRGSAGPCCTPTKMSPIN MLYFNGKEQIYGKIPAMVVDRCGCS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	42.9 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
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 after receiving vials.
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:	<a href="#">NP_034964</a>
Locus ID:	17700
UniProt ID:	<a href="#">O08689</a> , <a href="#">Q540E2</a>



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RefSeq Size: 2682

Cytogenetics: 1 26.99 cM

RefSeq ORF: 1131

Synonyms: Cmpt; Gdf8

**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. Homozygous knockout mice for this gene exhibit increased muscle mass and bone density, and reduced adiposity. [provided by RefSeq, Jul 2016]