

# Recombinant Human MSTN Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MSTN-1851H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	MSTN MS Standard C13 and N15-labeled recombinant protein (NP_005250) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	42.8 kDa
<b>AA Sequence</b>	<p>           MQKLQLCVYIYLFMLIVAGPVDLNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKI            QILSKLRLETAPNISKDVIRQLLPKAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTE            TIITMPTESDFLMQVDGKPKCCFFKFSSKIQYNKVKAQLWIYLRPVETPTTVFVQILR            LIKPMKDGTRYTGIRSLKLDMNPGTGIWQSIDVKTVLQNWLNKQPESNLGIEIKALDEN            GHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRRDFGLDCDEHSTESRCCRYPLTVD            FEAFGWDWIIAPKRYKANYCSGECEVFVLQKYPHTLVHQANPRGSAGPCCTPTKM         </p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	SPINMLYFNGKEQIIYGKIPAMVVDRCGCSTRTRPLEQKLISEEDLAANDILDYKDDD DKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MSTN myostatin [ Homo sapiens (human) ]
<b>Official Symbol</b>	MSTN
<b>Synonyms</b>	MSTN; myostatin; GDF8, growth differentiation factor 8; growth/differentiation factor 8; GDF-8; growth differentiation factor 8; GDF8; MSLHP;
<b>Gene ID</b>	2660
<b>mRNA Refseq</b>	NM_005259
<b>Protein Refseq</b>	NP_005250
<b>MIM</b>	601788

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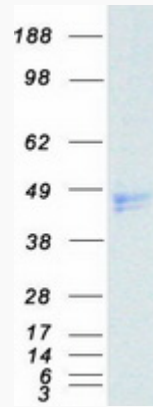
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UniProt ID

O14793

SDS-PAGE



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