

## Recombinant Human MSTN

Cat. No. MSTN-124H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MSTN was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle growth.
<b>Form</b>	Lyophilized.
<b>Molecular Mass</b>	~25 kDa
<b>Purity</b>	≥98% (SDS-PAGE gel & HPLC)
<b>Storage</b>	Store at -20°C

### GENE INFORMATION

<b>Gene Name</b>	MSTN myostatin [ Homo sapiens (human) ]
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<b>Official Symbol</b>	MSTN
<b>Synonyms</b>	MSTN; myostatin; GDF8; MSLHP; growth/differentiation factor 8; GDF-8; growth differentiation factor 8
<b>Gene ID</b>	2660
<b>mRNA Refseq</b>	NM_005259
<b>Protein Refseq</b>	NP_005250
<b>MIM</b>	601788
<b>UniProt ID</b>	O14793
<b>Chromosome Location</b>	2q32.2
<b>Pathway</b>	Hypertrophy Model
<b>Function</b>	cytokine activity; growth factor ; heparin binding; identical protein binding

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