

## Recombinant Human MSTN

Cat. No. MSTN-28227TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to Propeptide domain, amino acids 24-266 of Human GDF8 / Myostatin,
<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>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20mM Sodium chloride, 20mM Tris, pH 8
<b>Storage</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGNENSEQKE NVEKEGLCNA CTWRQNTKSS RIEAIKIQIL SKLRLETAPN ISKDVIRQLL PKAPPLRELI DQYDVQRDDS SDGSLEDDDY HATTETIITM

 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

PTESDFLMQV DGKPKCCFFK FSSKIQYNKV VKAQLWIYLR PVETPTTVFV  
 QILRLIKPMK DGTRYTGIRS LKLDMPGTG IWQSIDVKTQ LQNWLKQPES  
 NLGIEIKALD ENGHDLAVTF PGPGEDGLNP FLEVKVTDTQ KRSRR KLN

**Sequence Similarities** Belongs to the TGF-beta family.

## GENE INFORMATION

**Gene Name** [MSTN myostatin \[ Homo sapiens \]](#)

**Official Symbol** [MSTN](#)

**Synonyms** MSTN; myostatin; GDF8, growth differentiation factor 8; growth/differentiation factor 8;

**Gene ID** [2660](#)

**mRNA Refseq** [NM\\_005259](#)

**Protein Refseq** [NP\\_005250](#)

**MIM** [601788](#)

**Uniprot ID** [O14793](#)

**Chromosome Location** 2q32.1

**Pathway** Hypertrophy Model, organism-specific biosystem;

**Function** cytokine activity; growth factor activity; receptor binding; contributes\_to receptor

 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



binding;

 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