

Recombinant Human MSTN

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

SPECIFICATION

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

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PTESDFLMQV DGKPKCCFFK FSSKIYQYQV VKAQLWIYLR PVETPTTVFV
 QILRLIKPMK DGTRYTGIRS LKLDMPNPGTG IWQSIDVKTV LQNWLKQPES
 NLGIEIKALD ENGHDLAVTF PGPGEDGLNP FLEVKVTDTTP 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

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binding;

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