

Recombinant Human MSTN protein

Cat. No. MSTN-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSTN was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	20mM Tris-HCl, 200 mM NaCl, pH7.4, 2Mm DTT
Molecular Mass	~13 kDa
AA Sequence	DFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGECEFVFLQKYP HTHLVHQANPRGSAGPCCTLTPKMSPINMLYFNGKEQIIYGKIPAMVVDRCSG
Purity	> 95% as determined by SDS-PAGE
Storage	Short Term Storage (1 week) at +4 centigrade, Long Term Storage(3 months) at -20 centigrade to -80 centigrade. Avoid freeze/thaw cycles.

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Concentration 0.1 mg/ml

GENE INFORMATION

Gene Name MSTN myostatin [Homo sapiens]

Official Symbol MSTN

Synonyms MSTN; myostatin; GDF8, growth differentiation factor 8; growth/differentiation factor 8; GDF-8; growth differentiation factor 8; GDF8; MSLHP;

Gene ID 2660

mRNA Refseq NM_005259

Protein Refseq NP_005250

MIM 601788

UniProt ID O14793

Chromosome Location 2q32.1

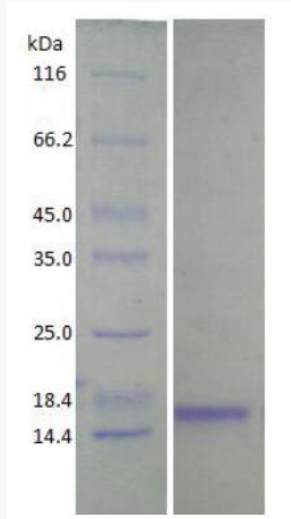
Pathway Hypertrophy Model, organism-specific biosystem;

Function cytokine activity; growth factor activity; receptor binding; contributes_to receptor binding;

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