

Recombinant Human MSTN, GST-tagged

Cat. No. MSTN-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSTN(121 a.a. - 202 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	34.63 kDa
AA Sequence	MPTESDFLMQVDGKPKCCFFKFSSKIQYNKVVKAQLWIYLRPVETPTTVFVQILRLIK PMKDGTRYTGIRSLKLD MNPGTGI
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol MSTN

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

Gene ID [2660](#)

mRNA Refseq [NM_005259](#)

Protein Refseq [NP_005250](#)

MIM [601788](#)

UniProt ID O14793

Chromosome Location 2q32.2

Pathway Hypertrophy Model

Function cytokine activity; growth factor ; heparin binding; identical protein binding

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