

Recombinant Full Length Human MSTN Protein, GST-tagged

Cat. No. MSTN-6983HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length MSTN(1 a.a. - 375 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	375 amino acids
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	69.2 kDa
AA Sequence	MQKLQLCVYIYLFMLIVAGPVDLNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKI QILSKLRLETAPNISKD VIRQLLPKAPPLRELIDQYDVQRDDSSDGSLEDDDDYHATTE TIITMPTESDFLMQVDGKPKCCFFKFSSKIQYNK VVKAQLWIYLRPVETPTTVFVQIL RLIKPMKDGTRYTGIRSLKLDMPGTGIWQSIDVKTVLQNWLKQPESNLGI EIKALDE NGHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRRDFGLDCDEHSTESRCCRYPLTV DFEAFGWDWIIA PKRYKANYCSGECEVFVLQKYPHTHLVHQANPRGSAGPCCTPT

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KMSPINMLYFNGKEQIIYGKIPAMVVDRCGCS

Applications ELISA; WB-Re; AP; Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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](#)

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