

Recombinant Human MSTN, GST-tagged

Cat. No. MSTN-122H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSTN(1 a.a. - 375 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	69.2 kDa
AA Sequence	<p> MQKLQLCVYIYLFMLIVAGPVDLNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKI QILSKLRLETAPNISKD VIRQLLPKAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTE TIITMPTESDFLMQVDGKPKCCFFKFSSKIQYNK VVKAQLWIYLRPVETPTTVFVQIL RLIKPMKDGTRYTGIRSLKLDMNPGTGIWQSIDVKTVLQNWLKQPESNLGI EIKALDE NGHDLAVTFPGPGEDGLNPFLEVK/VDTPKRSRRDFGLDCDEHSTESRCCRYPLTV DFEAFGWDWIIA PKRYKANYCSGECEVFVLQKYPHTHLVHQANPRGSAGPCCTPT KMSPINMLYFNGKEQIIYGKIPAMVVDRCGCS </p>

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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.
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

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Function

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

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