

Recombinant Human MSTN Protein, MYC/DDK-tagged

Cat. No. MSTN-2089H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human MSTN protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293 |
| Species | Human |
| Source | HEK293 |
| 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 preprotein 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. [provided by RefSeq, Jul 2016]. |
| Form | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 42.6 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration | >50 ug/mL as determined by microplate BCA method |

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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|------------------------|---------------------------------|
| Gene Name | MSTN myostatin [Homo sapiens] |
| Official Symbol | MSTN |
| Synonyms | GDF8; MSLHP |
| Gene ID | 2660 |
| mRNA Refseq | NM_005259 |
| Protein Refseq | NP_005250 |
| MIM | 601788 |
| UniProt ID | O14793 |

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