

## Active Recombinant Mouse Mstn

**Cat. No.** Mstn-912M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Mstn (Accession # O08689) Asp268-Ser376, fused with , was produced in Mouse myeloma cell line, NS0-derived.                                                                                   |
| <b>Species</b>              | Mouse                                                                                                                                                                                                           |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                 |
| <b>ProteinLength</b>        | Asp268-Ser376                                                                                                                                                                                                   |
| <b>Predicted N Terminal</b> | Asp268                                                                                                                                                                                                          |
| <b>Form</b>                 | Lyophilized from a 0.2 μ filtered solution in Acetonitrile and TFA with BSA as a carrier protein.                                                                                                               |
| <b>Bio-activity</b>         | Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cells. Schwall, R.H. et al. (1991) Method Enzymol. 198:340.The ED50 for this effect is typically 2-10 ng/mL. |
| <b>Molecular Mass</b>       | Recombinant Mouse Mstn has a calculated MW of 12.4 kDa. In SDS-PAGE migrates as 12 kDa, reducing conditions24 kDa, non-reducing conditions.                                                                     |
| <b>Purity</b>               | >90%, by SDS-PAGE with silver staining.                                                                                                                                                                         |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3                                   |

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months (-70°C).

**GENE INFORMATION****Gene Name** [Mstn myostatin \[ Mus musculus \]](#)**Official Symbol** Mstn**Synonyms** MSTN; myostatin; growth/differentiation factor 8; GDF-8; compact; growth differentiation factor 8; Cmpt; Gdf8; MGC124261; MGC124262; MGC124263;**Gene ID** [17700](#)**mRNA Refseq** [NM\\_010834](#)**Protein Refseq** [NP\\_034964](#)**MIM** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA