

## Active Recombinant Mouse Mstn Protein, Fc Chimera

Cat. No. Mstn-649M Lot. No. (See product label)

### SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Recombinant Mouse Mstn (Accession # NP_034964), fused with , was produced in Mouse myeloma cell line, NS0-derived.   |
| <b>Species</b>              | Mouse  |
| <b>Source</b>               | Mammalian Cells  |
| <b>Predicted N Terminal</b> | Asn25  |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in MES, NaCl and CHAPS with BSA as a carrier protein.   |
| <b>Bio-activity</b>         | Measured by its ability to inhibit rmGDF-8 activity in K562 human chronic myelogenous leukemia cells. Thies, R.S. et al. (2001) Growth Factors 18:251. The ED50 for this effect is typically 0.03-0.15 µg/mL in the presence of 40 ng/mL of Recombinant Mouse GDF-8/Myostatin. |
| <b>Molecular Mass</b>       | Recombinant Mouse Mstn, Fc Chimera has a calculated MW of 54.9 kDa (monomer). In SDS-PAGE migrates as 66 kDa, reducing conditions.   |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.  |
| <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 months (-70°C).  |

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## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | Mstn myostatin [ Mus musculus ]   |
| <b>Official Symbol</b> | Mstn  |
| <b>Synonyms</b>        | MSTN; myostatin; growth/differentiation factor 8; GDF-8; compact; growth differentiation factor 8; Cmpt; Gdf8; MGC124261; MGC124262; MGC124263; |
| <b>Gene ID</b>         | 17700   |
| <b>mRNA Refseq</b>     | NM_010834   |
| <b>Protein Refseq</b>  | NP_034964   |

### MIM

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