

## Recombinant Mouse Myostatin

Cat. No. Mstn-355M Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	Myostatin (Mstn) is a secreted growth and differentiating factor (GDF-8) that belongs to the transforming growth factor-beta (TGF-beta) superfamily.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Mouse Myostatin is Mr 12.4 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>80% as determined by SDS-PAGE and visualized by silver stain.
<b>Biological Activity</b>	The biological activity of Mouse Myostatin was determined by its ability to cause elongation of animal caps from <i>Xenopus</i> blastulae.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer.

### GENE INFORMATION

<b>Gene Name</b>	Mstn myostatin [ <i>Mus musculus</i> ]
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<b>Synonyms</b>	Mstn; myostatin; Cmpt; Gdf8; MGC124261; MGC124262; MGC124263; growth differentiation factor 8
<b>Gene ID</b>	17700
<b>mRNA Refseq</b>	NM_010834
<b>Protein Refseq</b>	NP_034964
<b>UniProt ID</b>	O08689
<b>Chromosome Location</b>	1 C1.1; 1 27.8 cM
<b>Function</b>	cytokine activity; growth factor activity; protein binding; receptor binding

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