

Recombinant Mouse Myostatin

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

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	Myostatin (Mstn) is a secreted growth and differentiating factor (GDF-8) that belongs to the transforming growth factor-beta (TGF-beta) superfamily.
Molecular Weight	The predicted molecular weight of Recombinant Mouse Myostatin is Mr 12.4 kDa.
State Of Matter	Lyophilized.
Purity	>80% as determined by SDS-PAGE and visualized by silver stain.
Biological Activity	The biological activity of Mouse Myostatin was determined by its ability to cause elongation of animal caps from <i>Xenopus</i> blastulae.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	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

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

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