

Active Recombinant Mouse Mstn Protein, His-tagged

Cat. No. Mstn-910M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mstn (Accession # O08689) Asn25-Ser265, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Asn25-Ser265
Predicted N Terminal	Asn25
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	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 0.05-0.25 µg/mL in the presence of 40 ng/mL of Recombinant Mouse GDF-8/Myostatin. Approximately 1 µg/mL will completely inhibit GDF-8 activity in these cells.
Molecular Mass	Recombinant Mouse Mstn, His-tagged has a calculated MW of 28.7 kDa. In SDS-PAGE migrates as 39 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name	Mstn myostatin [<i>Mus musculus</i>]
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

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