Active Recombinant Mouse Mstn

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

SPECIFICATION

Product Overview	Recombinant Mouse Mstn (Accession # O08689) Asp268-Ser376, fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Asp268-Ser376
Predicted N Terminal	Asp268
Form	Lyophilized from a 0.2 μm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Recombinant Mouse Mstn has a calculated MW of 12.4 kDa. In SDS-PAGE migrates as 12 kDa, reducing conditions24 kDa, non-reducing conditions.
Purity	>90%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3

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	months (-70ºC).

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	

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