Active Recombinant Mouse Mstn Protein, Fc Chimera

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

SPECIFICATION

Product Overview	Recombinant Mouse Mstn (Accession # NP_034964), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
Predicted N Terminal	Asn25
Form	Lyophilized from a 0.2 μm filtered solution in MES, NaCl and CHAPS 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 0.03-0.15 μg/mL in the presence of 40 ng/mL of Recombinant Mouse GDF-8/Myostatin.
Molecular Mass	Recombinant Mouse Mstn, Fc Chimera has a calculated MW of 54.9 kDa (monomer). In SDS-PAGE migrates as 66 kDa, reducing conditions.
Purity	>95%, 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 lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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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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