

Active Recombinant Human Mstn

Cat. No. Mstn-911H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Mstn (Accession # O14793) Asp268-Ser376, fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
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 Human 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 (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name	MSTN myostatin [Homo sapiens]
Official Symbol	Mstn
Synonyms	MSTN; myostatin; GDF8, growth differentiation factor 8; growth/differentiation factor 8; GDF-8; growth differentiation factor 8; GDF8; MSLHP;
Gene ID	2660
mRNA Refseq	NM_005259
Protein Refseq	NP_005250
MIM	601788
UniProt ID	O14793
Chromosome Location	2q32.1

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