

Active Recombinant Rat Mstn

Cat. No. Mstn-913R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mstn (Accession # O35312) Asp268-Ser376, fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Rat
Source	Mammalian Cells
ProteinLength	Asp268-Ser376
Predicted N Terminal	Asp268
Form	Lyophilized from a 0.2 µ 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 Rat 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 \[Rattus norvegicus \]](#)

Official Symbol [Mstn](#)

Synonyms [MSTN](#); [myostatin](#); [growth/differentiation factor 8](#); [GDF-8](#); [growth differentiation factor 8](#); [Gdf8](#);

Gene ID [29152](#)

mRNA Refseq [NM_019151](#)

Protein Refseq [NP_062024](#)

MIM

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