

Active GMP Recombinant Human MSTN Protein

Cat. No. Mstn-121HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSTN, Asp268-Ser376, was produced in NS0 cell under cGMP guidelines.
Species	Human
Source	Mammalian Cells
ProteinLength	268-376 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
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.
Molecular Mass	Predicted Molecular Mass: 12.4 kDa SDS-PAGE: 12 kDa, reducing conditions; 24 kDa, non-reducing conditions
N-terminal Sequence Analysis	Asp-Phe-Gly-Leu-Asp-(Cys)-Asp-Glu-His-Ser
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles.

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12 months, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in 4 mM HCl.

Quality Statement Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name [MSTN myostatin \[Homo sapiens \]](#)

Official Symbol [Mstn](#)

Synonyms MSTN; myostatin; 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](#)

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UniProt ID

O14793

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