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Myostatin, Human Recombinant

Catalog No.	CRMY00A	**Quantity:**	2 µg
	CRMY00B		10 µg
	CRMY00C		1.0 mg

Alternate Names: GDF-8, MSTN

Description: Recombinant human Myostatin is a homodimeric, non-glycosylated polypeptide chain containing two 109 amino acid chains and has a total MW=24.8 kDa.

Source: Insect cells

Formulation: Lyophilized from a sterile, concentrated (1.0 mg/ml) solution containing no additives.

Purity: >95.0% as determined by RP-HPLC and SDS-PAGE

Endotoxin Level: <0.1 ng/µg of recombinant human Myostatin

Biological Activity: Determined by the inhibition of the proliferation of MPC-11 cells. The ED_{50} is < 20 ng/ml.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids is Asp-Phe-Gly-Leu-Asp.

Reconstitution: **Centrifuge vial prior to opening.** First add sterile 20 mM acetic acid to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized Myostatin is stable at room temperature for 3 weeks, but it is recommended to store the lyophilized product desiccated at -20°C to -80°C. Upon reconstitution, protein should be stored at 2-4°C for one week and for future use at -20°C to -80°C. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles**.

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