

**Recombinant Human Myostatin-Propeptide**  
**Catalog # PBG10324****Specification**

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**Recombinant Human Myostatin-Propeptide - Product Information****Recombinant Human Myostatin-Propeptide - Additional Information****Description**

Mature Myostatin is obtained by proteolytic processing of a biologically-inactive precursor protein, which contains an N-terminal propeptide of 243 amino acid residues. Myostatin Propeptide exhibits high binding affinity for myostatin and has been shown to be a potent inhibitor of Myostatin. Over-expression of myostatin propeptide in mice resulted in large increases (up to 200%) in skeletal muscle mass, similar to those observed in Myostatin knockout mice. Recombinant Human Myostatin Propeptide is a 27.8 kDa protein consisting of 244 amino acid residues.

**Biological Activity**

Determined by its ability to neutralize the Myostatin inhibitory effect of murine MPC-11 cells. The expected  $ED_{50}$  is 0.01-0.04  $\mu\text{g/ml}$  in the presence of 50 ng/ml Myostatin.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1 \text{ ng/}\mu\text{g}$  of protein ( $<1\text{EU/}\mu\text{g}$ ).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human Myostatin-Propeptide is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human Myostatin-Propeptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Recombinant Human Myostatin-Propeptide - Images**