

## PRODUCT INFORMATION SUMMARY

### Human Myostatin

Purified Factor	Product Number	HC77755B	10.0 ug
		HC77755A	2.0 ug

#### DESCRIPTION:

Human Myostatin is a TGF beta related cytokine involved in muscle growth. Myostatin acts to inhibit skeletal muscle growth and interacts with Activin receptors to suppress myoblast proliferation. Myostatin activity can be blocked by Follistatin, an Activin-binding protein. Human Myostatin is a 25.0 KDa protein with two 109 aa. polypeptide chains.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Myostatin  
Sterile filtered and lyophilized, additive-free.

#### BIOLOGICAL ACTIVITY:

Inhibition of MPC-11 cells was achieved at 25 ng/mL concentration. (**Half maximal inhibition**).

#### HANDLING AND STORAGE:

Purified Human myostatin factor is provided lyophilized with no additives. Store lyophilized, at -20 ° C. **Keep reconstituted protein at low pH to improve solubility.** Upon reconstitution with distilled ( or sterile) water to a concentration of 100 ug/mL, dilute in PBS or other buffered solutions ( see above). Store small aliquots at -20° C, **with addition of 0.1% BSA**, for long-term storage- up to 3 months, at high concentration.

**Before opening vial**, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**