

## PRODUCT INFORMATION SUMMARY

### Human Myostatin Propeptide

Purified Factor	Product Number	HC70038B	25.0 ug
	Product Number	HC70038A	5.0 ug

#### DESCRIPTION:

Human Myostatin Propeptide is a cytokine shown to exhibit a high binding affinity for the mature Myostatin protein and a potent inhibitor of myostatin. The mature form of myostatin ( see cat # HC77755) is generated by the proteolytic cleavage of an inactive precursor of 243 aa. residues. Mostatin propeptide has been observed to increase skeletal muscle mass in mice. Myostatin propeptide is a 27.8 KDa protein with 244 aa. residues.

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

**BIOLOGICAL ACTIVITY:** Half-maximal ability to neutralize the Myostatin inhibitory effect of mouse MPC-11 cells, in presence of 50.0 ng/mL Myostatin, is 0.04 ug/mL.

#### HANDLING AND STORAGE:

Purified Human myostatin propeptide factor is provided lyophilized from 20mM HCL with no additives. Store lyophilized, at -20° C. Upon reconstitution with distilled ( or sterile) water to a concentration of 100 ug/mL, dilute in PBS or other buffered solutions. **NOTE: Keep protein at low pH to improve solubility.** 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**