

## 32-20415: Recombinant Human Myostatin-Propeptide(Discontinued)

**Reactivity :** Mouse

### Description

**Source:** **E.coli** 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.

### Product Info

**Amount :** 5 µg / 25 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MNENSEQKEN VEKEGLCNAC TWRQNTKSSR IEAIKIQILS KLRLETAPNI SKDVIRQLLP KAPPLRELID  
QYDVQRDDSS DGSLEDDDYH ATTETIITMP TESDFLMQVD GPKKCCFFKF SSKIYQNKVV KAQLWIYLRP  
VETPTTVFVQ ILRLIKPMKD GTRYTGIRSL KLDMNPGTGI WQSIDVKTVL QNWLKQPESN LGIEIKALDE  
NGHDLAVTFP GPGEDGLNPF LEVKVTDTPK RSRR

### Application Note

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