

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 IEAIKIQLS KLRLETAPNI SKDVIRQLLP KAPPLRELID
QYDVQRDDSS DGSLEDDDYH ATTETIITMP TESDFLMQVD GPKKCCFFKF SSKIQYNKVV 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.