

Myostatin Propeptide Human Recombinant

Item Number	rAP-2378
Synonyms	GDF-8, MSTN, Growth Differentiation Factor 8, MSTN Muscle Hypertrophy.
Description	Recombinant Human Myostatin Propeptide is a 27.8kDa protein containing 244 amino acid residues of the human Myostatin Propeptide.
Uniprot Accession Number	O14793
Amino Acid Sequence	MNENSEQKE NVEKEGLCNA CTWRQNTKSS RIEAIKIQIL SKLRLETAPN ISKDVIKQLL PKAPPLRELI DQYDVQRDDSDSGSLEDDDY HATTETIITM PTESDFLMQV DGKPKCCFFK FSSKIQYNKV VKAQL- WIYLR PVETPTTVFV QILRLIKPMK DGTRYTGIRS LKLDMNPGTG IWQSIDVKTV LQNWLKQPES NLGIEIKALD ENGHDLAVTF PGPGEDGLNP FLEVKVTDTTP KRSRR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered white lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.
Formulation and Purity	Lyophilized with no additives. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Myostatin Propeptide in sterile 20mM HCl at 0.1mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The protein has full biological activity when compared to a standard. The activity is determined by its ability to inhibit 50ng/ml of Myostatin on MPC-11 cells and is typically 0.13-0.2 µg/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**