

## Myostatin Propeptide, Human Recombinant

<b>Catalog No.</b>	CRM142B	<b>Quantity:</b>	25 µg
<b>Alternate Names:</b>	GDF-8, MSTN, Growth Differentiation Factor 8, MSTN Muscle Hypertrophy.		
<b>Description:</b>	28 kDa protein containing 243 amino acid residues of the human Myostatin Propeptide and 5 additional amino acid residues (underlined in the Amino Acid Sequence section below). The amino acid sequence of the recombinant human Myostatin Propeptide is 100% homologous to the amino acid sequence of the human Myostatin Propeptide without signal sequence.		
<b>Source:</b>	<i>E. coli</i>		
<b>Formulation:</b>	Lyophilized from 0.5 mg/ml in 20 mM TRIS + 20 mM NaCl, pH 8.0.		
<b>Purity:</b>	>95% (SDS-PAGE analyzed). Purified via a two-step procedure using size exclusion chromatography before and after refolding.		
<b>Amino Acid Sequence:</b>	<u>MG</u> NENSEQKE NVEKEGLCNA CTWRQNTKSS RIEAIKIQL SKLRLETAPN ISKDVIRQLL PKAPPLRELI DQYDVQRDDS SDGSLEDDDY HATTETITM PTESDFLMQV DGKPKCCFFK FSSKIQYNKV VKAQLWIYLR PVETPTTVFV QILRLIKPMK DGTRYTGIRS LKLDMNPGTG IWQSIDVKT V LQNWLKQPES NLGIEIKALD ENGHDLAVTF PGPGEDGLNP FLEVKVTDTP KRSRR <u>KLN</u>		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add 0.2 ml of distilled water and let the lyophilized pellet dissolve completely.		
<b>Storage &amp; Stability:</b>	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 2-4°C for a limited period of time. The lyophilized protein remains stable until the expiration date when stored at -20°C.		
<b>Applications:</b>	Western blot, ELISA		

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**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web site: [www.cellsciences.com](http://www.cellsciences.com)