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## Product Data Sheet

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Product Name: Myostatin Propeptide Human, HEK  
 Cat. No.: GP20763  
 Batch No.: 1

### Product Data

Purity	>98%	Source	HEK 293.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GDF-8; MSTN; Growth Differentiation Factor 8; MSTN Muscle Hypertrophy.		
Amino Acid Sequence	NENSEQKENV EKEGLCNACT WRQNTKSSRI EAIKIQLSK LRLETAPNIS KDVIRQLLPK APPLRELIDQ YDVQRDDSSD GSLEDDDYHA TTETIITMPT ESDFLMQVDG KPKCCFFKFS SKIQYNKVVK AQLWIYLRPV ETPTTVFVQI LRLIKPMKDG TRYTGIRSLK LDMNPGTGIW QSIDVKTVLQ NWLKQPESNL GIEIKALDEN GHDLAVTFPG PGEDGLNPFL EVKVTDTPKR SRR HHHHHHHH HHH.		
Formulation	Myostatin Propetide solution at a concentration of 0.25mg/ml in phosphate buffered saline (PBS) pH 8.0 and 20% (w/v) glycerol.		

### Introduction

GDF8 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle growth.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Myostatin Propetide Human Recombinant produced in HEK cells is a single, glycosylated,

**Caution: Product has not been fully validated for medical applications. For research use only.**

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polypeptide chain (Asn24-Arg266) containing a total of 253 amino acids, having a calculated molecular mass of 29.1kDa. Myostatin Propetide is fused to a 10 aa C-terminal His tag.

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