
Product Data Sheet

Product Name: Myostatin Human, HEK
 Cat. No.: GP20761
 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	HHHHHHASNE NSEQKENVEK EGLCNACTWR QNTKSSRIEA IKIQILSKLR LETAPNISKD VIRQLLPKAP PLRELIDQYD VQRDDSSDGS LEDDDYHATT ETIITMPTES DFLMQVDGKP KCCFFKFSSK IQYNKVVKAQ LWIYLRPVET PTTVFVQILR LIKPMKDGTR YTGIRSLKLD MNPGTGIWQS IDVKTVLQNW LKQPESNLGI EIKALDENGH DLAVTFPGPG EDGLNPFLEV KVTDTPKRSR RDFGLDCDEH STESRCCRYP LTVDFEAFGW DWIAPKRYK ANYCSGECEF VFLQKYPHTH LVHQANPRGS AGPCCTPTKM SPINMLYFNG KEQIIYGKIP AMVVDRCGCS.		
Formulation	Myostatin 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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

Myostatin Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Asn24-Ser375) containing a total of 360 amino acids, having a calculated molecular mass of 41.1kDa. Myostatin is fused to a 2 aa N-terminal linker and a 6 aa His tag at N-Terminus.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA