

Myostatin Recombinant Protein | MSTN recombinant protein

Recombinant Human Myostatin Propeptide

CATALOG #
AAA38211

HOST
E Coli

PRODUCT SYNONYMS

Myostatin; Recombinant Human Myostatin Propeptide; Myostatin Propeptide Human; Myostatin Propeptide Human Recombinant; GDF-8; MSTN; Growth Differentiation Factor 8; MSTN Muscle Hypertrophy; Myostatin Propetide; MSTN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from 10mM Acetic Acid. Sterile Filtered white lyophilized (freeze-dried) powder.
Sequence	MNENSEQKEN VEKEGLCNAC TWRQNTKSSR IEAIIQILS KLRLETAPNI SKDVIRQLLP KAPPLRELID QYDVQRDDSS DGSLEDDDYH ATTETIITMP TESDFLMQVD GKPKCCFFKF SSKIYQNKVV KAQLWIYLRP VETPTTVFVQ ILRLIKPMKD GTRYTGIRSL KLDMNPGTGI WQSIDVKTVL QNWLKQPESN LGIEIKALDE NGHDLAVTFP GPGEDGLNPF LEVKVTDTPK RSRR
Sequence Length	375
Solubility	It is recommended to reconstitute the lyophilized Myostatin Propeptide in sterile 50mM Acetic Acid at 0.1 mg/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Store lyophilized protein at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time.

ADDITIONAL INFORMATION

Related Product Information for MSTN recombinant protein	Description: Recombinant Human Myostatin Propeptide is a 27.8 kDa protein containing 244 amino acid residues of the human Myostatin Propeptide. Introduction: Myostatin (GDF-8), a member of the TGFbeta superfamily, is a potent and specific negative regulator of skeletal muscle mass. In serum, myostatin circulates as part of a latent complex containing myostatin propeptide and/or follistatin-related gene. The myostatin propeptide is known to bind and inhibit myostatin in vitro. This interaction is relevant in vivo, with a majority (>70%) of myostatin in serum bound to its propeptide. The myostatin propeptide is negative regulator of myostatin in vivo.
Product Categories/Family for MSTN recombinant protein	Cytokines and Growth Factors ; Growth Factors ; Myostatin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885259
NCBI GeneID	2660
NCBI Accession #	NP_005250.1
NCBI GenBank Nucleotide #	NM_005259.2
UniProt Accession #	O14793; Q6B0H2; A1C2J7; A1C2K0

Molecular Weight	42,750 Da
NCBI Official Full Name	growth/differentiation factor 8
NCBI Official Synonym Full Names	myostatin
NCBI Official Symbol	MSTN
NCBI Official Synonym Symbols	GDF8; MSLHP
NCBI Protein Information	growth/differentiation factor 8; GDF-8; growth differentiation factor 8
UniProt Protein Name	Growth/differentiation factor 8
UniProt Gene Name	MSTN
UniProt Synonym Gene Names	GDF8; GDF-8
UniProt Entry Name	GDF8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mstn-recombinant-protein-e-coli/38211>