

Myostatin Recombinant Protein | MSTN recombinant protein

Recombinant Human Myostatin, His-Tag

CATALOG #
AAA38209

HOST
E Coli

PRODUCT SYNONYMS

Myostatin; Recombinant Human Myostatin; His-Tag; Myostatin Human; His; Myostatin Human Recombinant; His Tag; GDF-8; MSTN; Growth/Differentiation Factor 8; MSTN Muscle Hypertrophy; Myostatin His; MSTN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Filtered (0.4 um) and lyophilized from 0.5 mg/ml in 0.05M acetate buffer, pH 4.5. Filtered white lyophilized (freeze-dried) powder.
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDPSSRSVR SRRDFG LDCDEHSTES RCCRYPLTVD FEAFGWDWII APKRYKANYC SGECEVFLQ KYPHTHLVHQ ANPRGSAGPC CPTKMSPIN MLYFNGKEQI IYGKIPAMVV DRCGCS
Sequence Length	375
Solubility	Add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10ug/ml. In higher concentrations the solubility of this antigen is limited.
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; it does not show any change after two weeks at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for MSTN recombinant protein	Description: Total 152AA. M.W. 16.7kDa (calculated). N-terminal His-tag and spacer (43AA highlighted). The AA sequence of the human myostatin part of the fusion protein is corresponding to the UniProtKB/Swiss-Prot entry Q14793. Introduction: Myostatin (GDF-8) is expressed uniquely in human skeletal muscle as a 12 kDa mature glycoprotein consisting of 113 amino acid residues and secreted into plasma. Myostatin is a member of the transforming growth factor β superfamily of secreted growth and differentiation factors that is essential for proper regulation of skeletal muscle mass. Studies have shown that myostatin could play an important role in cardiac development and physiology.
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
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/38209>