Recombinant Human Myostatin Propeptide

Cat. No. MSTN-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Myostatin Propeptide without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	24-266
Description	Myostatin (GDF-8), a member of the TGF-beta superfamily, is a potent and negative regulator of skeletal muscle mass. The recombinant myostatin propeptide binds and inhibits myostatin to enhance the repair and regeneration of injured muscle and bone.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 27.8 kDa (244 aa)
AA Sequence	MNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKIQILSKLRLETAPNISKDVIRQLL PKAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTETIITMPTESDFLMQVDGKPKCC FFKFSSKIQYNKVVKAQLWIYLRPVETPTTVFVQILRLIKPMKDGTRYTGIRSLKLDMN PGTGIWQSIDVKTVLQNWLKQPESNLGIEIKALDENGHDLAVTFPGPGEDGLNPFLE VKVTDTPKRSRR
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile 20 mM HCl at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	MSTN myostatin [Homo sapiens (human)]
Official Symbol	MSTN
Synonyms	MSTN; myostatin; GDF8, growth differentiation factor 8; growth/differentiation factor 8; GDF-8; growth differentiation factor 8; GDF8; MSLHP;
Gene ID	2660
mRNA Refseq	NM_005259

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Protein Refseq	NP_005250
MIM	601788
UniProt ID	O14793

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