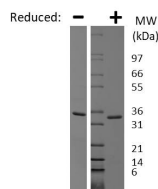


MSTN

Recombinant Human Myostatin Propeptide

Catalog No.	CRM142A CRM142B CRM142C CRM142D	Quantity:	5 µg 25 µg 1.0 mg 100 µg
Alternate Names:	Growth Differentiation Factor 8, GDF8, GDF-8, MSLHP, MSTN		
Description:	Myostatin (GDF-8) is a member of the TGF-β superfamily and is a potent and specific negative regulator of skeletal muscle mass. The myostatin propeptide is known to bind and inhibit myostatin <i>in vitro</i> . This interaction is relevant <i>in vivo</i> , with a majority (>70%) of myostatin in serum bound to its propeptide acting as a negative regulator of myostatin. Propeptide consists of Asn24-Arg266.		
UniProt ID:	O14793		
Gene ID:	2660		
Source:	<i>E. coli</i>		
Molecular Weight:	27.8 kDa (244 aa)		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥ 95.0%, determined by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EUs/µg, by kinetic LAL		
Amino Acid Sequence:	MNENSEQKEN VEKEGLCNAC TWRQNTKSSR IEAIKIQILS KLRLETAPNI SKDVIRQLLP KAPPLRELID QYDVQRDDSS DGSLEDDDYH ATTETIITMP TESDFLMQVD GKPKCCFFKF SSKIYQNKVV KAQLWIYLRP VETPTTVFVQ ILRLIKPMKD GTRYTGIRSL KLDMNPGTGI WQSIDVKTVL QNWLKQPESN LGIEIKALDE NGHDLAVTFP GPGEDGLNPF LEVKVTDTPK RSRR		
Reconstitution:	Centrifuge vial prior to opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile 20 mM HCl at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.		
Storage & Stability:	Store as supplied at -20°C to -80°C. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage. Avoid repeated freeze-thaw cycles.		





Human Myostatin Propeptide Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human Myostatin Propeptide is predicted to have a MW of 27.8 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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