9051 Mira Mesa Blvd, #910094
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Myostatin Human, His

Myostatin Human Recombinant, His Tag
GRF0273

Product Overview

Name	Myostatin Human, His
Description	
Myostatin Human Recombinant, His Tag	
Accession (Primary)	O14793
Synonyms	
GDF-8, MSTN, Growth/Differentiation Factor 8,MSTN Muscle Hypertrophy.	
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 ? 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered white lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M acetate buffer, pH 4.5.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDPSSRSAVR SRR DFGLDCD EHSTESRCCR YPLTVDFEAFGWDWIIAPKR YKANYCSGEC EFVFLQKYPH THLVHQANPR GSAGPCCTPT KMSPINMLYF NGKEQIIYGKIPAMVVDRCG CS.	
Solubility	

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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 10 µg/ml. In higher concentrations the solubility of this antigen is limited.

Precautions

Myostatin Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14793)