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32-1614: Myostatin Plant Recombinant Protein(Discontinued)

Alternative Name : GDF-8,MSTN,Growth Differentiation Factor 8,MSTN Muscle Hypertrophy.

Description

Source : Nicotiana benthamiana plant Myostatin Human Recombinant produced in Nicotiana benthamiana plant is a single chain containing 115 amino acids (molecular formula C586H865N165O164S12) and 6-His-tag at the N-terminal having the total molecular mass of 13.2kDa. GDF8 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle growth.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by Analysis by SDS-PAGE.
Content :	Lyophilized from 1mg/ml solution in glycine 0.05M buffer at pH 8.5 and 100mM NaCl.
Storage condition :	Lyophilized Myostatin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Myostatin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	HHHHHHDFGL DCDEHSTESR CCRYPLTVDF EAFGWDWIIA PKRYKANYCS GECEFVFLQKYPHTHLVHQA NPRGSAGPCC TPTKMSPINM LYFNGKEQII YGKIPAMVVD RCGCS

Application Note

It is recommended to reconstitute the lyophilized Myostatin in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.