

32-1612: Myostatin HEK Recombinant Protein

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

Description

Source : HEK 293. Myostatin Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Asn24-Ser375) containing a total of 360 amino acids, having a calculated molecular mass of 41.1kDa. Myostatin is fused to a 2 aa N-terminal linker and a 6 aa His tag at N-Terminus. 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

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| Amount : | 10 µg |
| Purification : | as determined by densitometric image analysis is greater than 95%. |
| Content : | Myostatin solution at a concentration of 0.25mg/ml in phosphate buffered saline (PBS) pH 8.0 and 20% (w/v) glycerol. |
| Storage condition : | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| Amino Acid : | HHHHHHASNE NSEQKENVEK EGLCNACTWR QNTKSSRIEA IKIQILSKLR LETAPNISKD VIRQLLPKAP PLRELIDQYD VQRDDSSDGS LEDDDYHATT ETIITMPTES DFLMQVDGKP KCCFFKFSSK IQYNKVVKAQ LWIYLRPVET PTTVFVQILR LIKPMKDGTR YTGIRSLKLD MNPGTGIWQS IDVKTVLQNW LKQPESNLGI EIKALDENGH DLAVTFPGPG EDGLNPFLEV KVTDTPKRSR RDFGLDCDEH STESRCCRYP LTVDFEAFGW DWIAPKRYK ANYCSGECEF VFLQKYPHTH LVHQANPRGS AGPCCTPTKM SPINMLYFNG KEQIYGKIP AMVVDRCGCS. |

