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Recombinant Mouse Myostatin/MSTN/GDF-8 Protein(C-6His)

产品货号: TP05909

第三版

别名:Growth/differentiation factor 8;GDF-8;Myostatin;Mstn;Gdf8

**描述:**Mouse Growth/differentiation factor 8(Mstn, GDF-8) 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. It is expressed specifically in developing and adult skeletal muscle. It exists as a homodimer, and interacts with WFIKKN2, leading to inhibit its activity. This protein can act specifically as a negative regulator of skeletal muscle growth. It regulates cell growth and differentiation in both embryonic and adult tissues. Experiments in mice have improved that GDF-8 is a key regulator of mesenchymal stem cell proliferation and differentiation, and mice lacking Myostatin encoding gene show decreased body fat and a generalized increase in bone density and strength.

**配方:**PBS

**分子量:**28.4 kDa

**序列:**Asn25-Ser265

**纯度:**> 95% by HPLC

**浓度:**

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.