

MSTN, 267-375aa, Human, His tag, E.coli

Cat.NO.: TP03039

3th Edition

Synonyms:Growth/differentiation factor 8, Myostatin, GDF8, MSLHP

Description:MSTN 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. Recombinant human MSTN, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight:15.1 kDa (134aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMDFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGECE
FVFLQKYPHTHLVHQANPRGSAGPCCTPTKMSPINMLYFNGKEQIIYGKIPAMVVDRCGCS

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.