

Product information

MSTN, 267-375aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2917

Full name: Growth/differentiation factor 8

NCBI Accession No.: NP_005250

Synonyms: Myostatin, GDF8, MSLHP

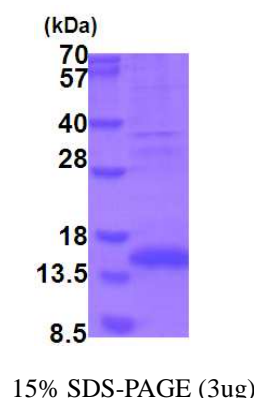
Description: MSTN is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this 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)

Purity: > 90% by SDS - PAGE

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



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMDFGLD CDEHSTESRC CRYPLTVDFE AFGWDWI IAP KRYKANYCSG ECFVFLQKY PHTHLVHQAN
PRGSAGPCCT PTKMSPINML YFNGKEQIIY GKIPAMVVDR CGCS

General references:

Hill J.J., *et al.* (2003) *Mol. Endocrinol.* 17:1144-1154

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.