Recombinant human Myostatin/GDF-8 protein

Catalog Number: ATGP2917

PRODUCT INFORMATION

Expression system
E.coli

Domain
267-375aa

UniProt No.
O14793

NCBI Accession No.
NP_005250

Alternative Names
Growth/differentiation factor 8, Myostatin, GDF8, MSLHP, MSTN

PRODUCT SPECIFICATION

Molecular Weight
15.1 kDa (134aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

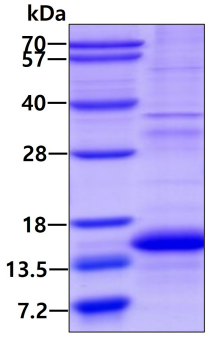
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General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.