

Product datasheet for AR51737PU-S

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Myostatin (267-375, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Myostatin (267-375, His-tag) human recombinant protein, 20 μg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMDFGLD CDEHSTESRC CRYPLTVDFE AFGWDWIIAP

KRYKANYCSG ECEFVFLQKY PHTHLVHQAN PRGSAGPCCT PTKMSPINML YFNGKEQIIY

GKIPAMVVDR CGCS

Tag: His-tag

Predicted MW: 15.1 kDa

Concentration: lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol

Preparation: Liquid purified protein

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

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: <u>NP 005250</u>

Locus ID: 2660

UniProt ID: <u>014793</u>, <u>Q53S46</u>

Cytogenetics: 2q32.2

Synonyms: GDF8; MSLHP





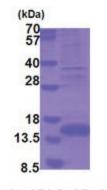
Summary:

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein negatively regulates skeletal muscle cell proliferation and differentiation. Mutations in this gene are associated with increased skeletal muscle mass in humans and other mammals. [provided by RefSeq, Jul 2016]

Protein Families:

Druggable Genome, Secreted Protein

Product images:



15% SDS-PAGE (3ug)