

Product datasheet for **AR51737PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Myostatin (267-375, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMDFGLD CDEHSTESRC CRYPLTVDFE AFGWDWIAP KRYKANYCSG ECFVFLQKY 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:	NP_005250
Locus ID:	2660
UniProt ID:	O14793 , Q53S46
Cytogenetics:	2q32.2
Synonyms:	GDF8; MSLHP



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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: