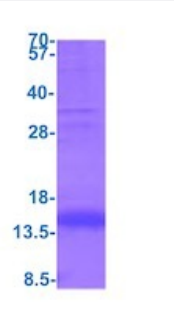
MSTN (Human) Recombinant Protein

Catalog # P7767 Size 100 ug

Applications



SDS-PAGE analysis of MSTN (Human) Recombinant Protein

Specification

Product Description	Human MSTN (NP_005250, 267 a.a. - 375 a.a) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMDFGLDCDEHSTESRCCRYPLTVDFEAFGWDWIIAPKRY KANYCSGECEFVFLQKYPHTHLVHQANPRGSAGPCCTPTKMSPINMLYFNGKEQIIYGKIPAMVVD RCGCS
Host	Escherichia coli
Theoretical MW (kDa)	15.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of MSTN (Human) Recombinant Protein
Recommend Usage	SDS-PAGE Denatured The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl buffer, pH8.0 (10% glycerol).

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Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — MSTN

Entrez GeneID	2660
Protein Accession#	O14793
Gene Name	MSTN
Gene Alias	GDF8
Gene Description	myostatin
Omim ID	601788
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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. [provided by RefSeq
Other Designations	growth differentiation factor 8

Disease

- Genetic Predisposition to Disease
- Muscle Weakness
- Muscular Atrophy
- Obesity
- Ovarian Failure

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- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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