MSTN (Human) Recombinant Protein

Catalog # P8950 Size 25 ug

Specification

Product Description	Human MSTN (O14793) recombinant protein expressed in *Escherichia coli*.
Sequence	MNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKIQILSKLRLETAPNISKDVIRQLLPKAPPLREL IDQYDVQRDDSSDGSLEDDDYHATTETIITMPTESDFLMQVDGKPKCCFFKFSSKIQYNKVVKAQL WIYLRPVETPTTVFVQILRLIKPMKDGTRYTGIRSLKLDMNPGTGIWQSIDVKTVLQNWLKQPESNL GIEIKALDENGHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRR.
Host	Escherichia coli
Theoretical MW (kDa)	27.8
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS PAGE
Storage Buffer	Lyophilized with no additives.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — MSTN

Entrez GeneID	2660
Protein Accession#	O14793

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

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