HuPro®

MSTN (Human) Recombinant Protein

Catalog # P8949 Size 2 x 10 ug

Specification

Product Description	Human MSTN (O14793, 24 a.a. - 375 a.a.) partial-length recombinant protein with His tag at N-Terminus expressed in HEK293 cell.
Sequence	HHHHHHASNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKIQILSKLRLETAPNISKDVIRQLLP KAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTETIITMPTESDFLMQVDGKPKCCFFKFSSKIQY NKVVKAQLWIYLRPVETPTTVFVQILRLIKPMKDGTRYTGIRSLKLDMNPGTGIWQSIDVKTVLQNWL KQPESNLGIEIKALDENGHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRRDFGL
Host	Human
Theoretical MW (kDa)	41.1
Form	Liquid
Preparation Method	HEK 293T cell expression system
Purity	> 95% by SDS PAGE
Storage Buffer	phosphate buffered saline (PBS) pH 8.0 and 20% (w/v) glycerol.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- SDS-PAGE

Gene Info — MSTN

Entrez GeneID	2660

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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 a nd the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic pr ocessing site which is cleaved to produce a mature protein containing seven conserved cysteine r esidues. The members of this family are regulators of cell growth and differentiation in both embry onic and adult tissues. This gene is thought to encode a secreted protein which negatively regulat es 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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