

HuPro®

MSTN (Human) Recombinant Protein

Catalog # P8951

Size 2 x 10 ug

Specification

Product Description	Human MSTN (O14793, 24 a.a. - 266 a.a.) partial-length recombinant protein with His tag at C-Terminus expressed in HEK293 cell.
Sequence	NENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKIQILSKLRLETAPNISKDVIRQLLPKAPPLRELI DQYDVQRDDSSDGSLEDDDYHATTETITMPTESDFLMQVDGKPKCCFFKFSSKIQYNKVVKAQL WYLRPVETPTTVFVQILRLIKPMKDGTTRYTGIRSLKLDMNPGTGIWQSIDVKTVLQNWLKQPESNL GIEIKALDENGHDLAVTFPGPGEDGLNPFLEVKVTDTPKRSRRHHHHHHHHHH.
Host	Human
Theoretical MW (kDa)	29.1
Form	Liquid
Preparation Method	HEK 293T cell expression system
Purity	> 80% 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](#)

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](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)