

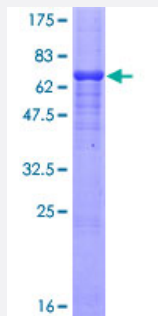
Full-Length

GDF8 (Human) Recombinant Protein (P01)

Catalog # H00002660-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GDF8 full-length ORF (AAH74757.2, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQKLQLCVYYLFMLVAGPVDLNENSEQKENVEKEGLCNACTWRQNTKSSRIEAIKIQLSKLRLET
APNISKDVIRQLLPKAPPLRELIDQYDVQRDDSSDGSLEDDDYHATTETITMPTESDFLMQVDGKP
KCCFFKFSSKIQYNKVKAQLWYLRPVETPTTVFVQILRLIKPMKDGETRYTGIRSLKLDMPGTGMW
QSIDVKTVLQNWLKQPESNLGIEIKALDENGHDLAVTFPGGEDGLNPFLEVKVTDTPKRSRRDF
GLDCDEHSTESRCCRYPLTVDFEAFGWDWIAPKRYKANYCSGECEVFVLQKYPHTHLVHQANP
RGSAGPCCTPTKMSPINMLYFNGKEQIYGKIPAMVVDRCGCS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.2

Interspecies Antigen Sequence

Mouse (96); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MSTN

Entrez GeneID[2660](#)**GeneBank Accession#**[BC074757.2](#)**Protein Accession#**[AAH74757.2](#)**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](#)