

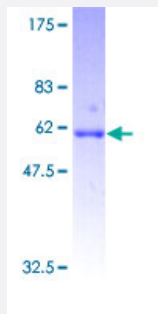
Full-Length

GDF10 (Human) Recombinant Protein (P01)

Catalog # H00002662-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GDF10 full-length ORF (AAH28237, 1 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALAPPPRGLWQAKDISPIVKAARRDGELLLSAQLDSEERDPGVPRPSPYAPYLVYANDLAISEP
NSVAVTLQRYDPFPAGDPEPRAAPNNSADPRVRRAAQATGPLQDNELPGLDERPPRAHAQHFH
KHQLWSPFRALKPRPGRKDRRKKGQEVFMAASQVLD FDEKTMQKARRKQWDEPRVCSRRYL
KVDFADIGWNEWIISPKSFDAYYCAGACEFPMPKIVRPSNHATIQSIVRAVGIIPIGPEPCCVPDKMN
SLGVLFLDENRNVVLKVYPNMSVDTCACR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

57.42

Interspecies Antigen Sequence

Mouse (88); Rat (89)

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 — GDF10

Entrez GeneID[2662](#)**GeneBank Accession#**[BC028237](#)**Protein Accession#**[AAH28237](#)**Gene Name**

GDF10

Gene Alias

BMP-3b, BMP3B

Gene Description

growth differentiation factor 10

Omim ID[601361](#)**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. Studies in mice suggest that the protein encoded by this gene plays a role in skeletal morphogenesis. [provided by RefSeq]

Other Designations

OTTHUMP00000019534|bone morphogenetic protein 3B

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)