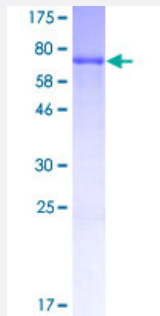


GDF7 (Human) Recombinant Protein (Q02)

Catalog # H00151449-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GDF7 partial ORF (NP_878248.2, 204 a.a. - 301 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VGQRWEAFDVADAMRRHRREPRPPRAFCLLLRAVAGPVPSPALRRLGFGWPGGGGSAAEER AVLVVSSRTQRKESLFREIRAQARALGAALASEPLP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
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 — GDF7

Entrez GeneID [151449](#)

GeneBank Accession# [NM_182828](#)

Protein Accession# [NP_878248.2](#)

Gene Name GDF7

Gene Alias BMP12

Gene Description growth differentiation factor 7

Omim ID [604651](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the bone morphogenetic protein (BMP) family. BMPs belong to the transforming growth factor-beta superfamily of secreted signalling molecules that regulate diverse processes in growth, repair and embryonic development. In mouse, this gene functions as an inductive signal from the roof plate required for the specification of neuronal identity in the dorsal spinal cord. [provided by RefSeq]

Other Designations OTTHUMP00000115986

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

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