GDF11 (Human) Recombinant Protein

Catalog # P8698 Size 20 ug

Specification

Product Description	Human GDF11 partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSNLGLDCDEHSSESRCCRYPLTVDFEAFGWDWIIAPKRYKA NYCSGQCEYMFMQKYPHTHLVQQANPRGSAGPCCTPTKMSPINMLYFNDKQQIIYGKIPGMVVDR CGCS
Host	Escherichia coli
Theoretical MW (kDa)	14.8
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 85% as determined by SDS-PAGE.
Storage Buffer	Solution (1 mg/mL) containing��20 mM Tris-HCl, pH 8.0, 10% glycerol.
Storage Instruction	Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — GDF11

Entrez GeneID	10220
Protein Accession#	O95390

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Gene Name	GDF11
Gene Alias	BMP-11, BMP11
Gene Description	growth differentiation factor 11
Omim ID	603936
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 and Xenopus suggest that this protein is involved in mesodermal formation and neurogenesis during embryonic development. [provided by RefSeq
Other Designations	bone morphogenetic protein 11

Disease

- Genetic Predisposition to Disease
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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