GDF15 (Human) Recombinant Protein

Catalog # P8699 Size 2 x 10 ug

Specification

Product Description	Human GDF15 partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMARARNGDHCPLGPGRCCRLHTVR ASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQIKTSLHRLKPDTVPAPCCVPASYN PMVLIQKTDTGVSLQTYDDLLAKDCHCI
Host	Escherichia coli
Theoretical MW (kDa)	16.7
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Storage Buffer	Solution containing 10mM Sodium citrate, pH 3.5, 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 — GDF15

Entrez GeneID	9518
Protein Accession#	Q99988

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Gene Name	GDF15
Gene Alias	GDF-15, MIC-1, MIC1, NAG-1, PDF, PLAB, PTGFB
Gene Description	growth differentiation factor 15
Omim ID	605312
Gene Ontology	Hyperlink
Gene Summary	Bone morphogenetic proteins (e.g., BMP5; MIM 112265) are members of the transforming growth factor-beta (see TGFB1; MIM 190180) superfamily and regulate tissue differentiation and maintenance. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein.[supplied by OMIM
Other Designations	NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1|PTGF-beta|prostate differentiation factor

Disease

- Adenoma
- Adenomatous Polyps
- Alzheimer disease
- Carcinoma
- Cardiovascular Diseases
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Hypertrophy
- Lung Neoplasms
- Metabolic Syndrome X

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- Neoplasm Metastasis
- Neoplasms
- Osteoporosis
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

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