GDF15 (Human) Recombinant Protein

Catalog # P8700 Size 20 ug

Specification

Product Description	Human GDF15 recombinant protein expressed in *Escherichia coli*.
Sequence	MARNGDDCPLGPGRCCRLHTVRASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQI KTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDTGVSLQTYDDLLAKDCHCI
Host	Escherichia coli
Theoretical MW (kDa)	24.5
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	chromatographic
Purity	> 95% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Storage Buffer	The protein was lyophilized with no additives. Reconstitute the lyophilized powder in ddH_2O to 100 u g/mL
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days 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

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Protein Accession#	Q99988
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

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

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