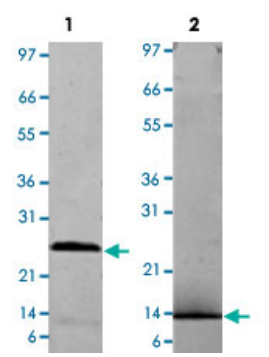
Bioactive

GDF15 (D variant) (Human) Recombinant Protein

Catalog # P4571 Size 20 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Specification

Product Description	Human GDF15 (D variant) (Q99988) recombinant protein expressed in *Escherichia coli*.
Sequence	MARNGDDCPLGPGRCCRLHTVRASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQI KTSLHRLKPDTVPAPCCVPASYNPMVLIQKTDTGVSLQTYDDLLAKDCHCI
Host	Escherichia coli
Theoretical MW (kDa)	26.8
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the inhibition of DU-145 cells and is typically 1-2 ug/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	No additive

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Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 5 mM acetic acid, store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — GDF15

Entrez GeneID	9518
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

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- Cardiovascular Diseases
- Colorectal Neoplasms
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Hypertrophy
- Lung Neoplasms
- Metabolic Syndrome X
- Neoplasm Metastasis
- Neoplasms
- Osteoporosis
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

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