

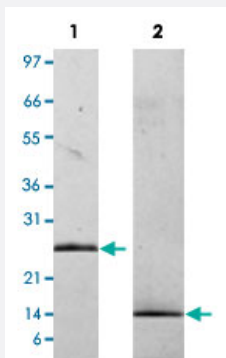
Bioactive

GDF15 (Human) Recombinant Protein

Catalog # P4392

Size 20 ug

Applications



Lane 1: non-reducing conditions

Lane 2: reducing conditions

Specification

Product Description	Human GDF15 (Q99988) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MARNGDHCPLGPGRCCRLHTVRASLEDLGWADWVLSPREVQVTMCIGACPSQFRAANMHAQIK TSLHRLKPDTPAPCCVPASYNPMVLIQKTDGTGVSLSQTYDDLLAKDCHCI
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	26.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> 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

Storage Instruction

Store at -20°C on dry atmosphere.
After reconstitution with sterilized 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](#)

- [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](#)