

Growth and Differentiation factor 15 Recombinant Protein | GDF15 recombinant protein

Recombinant Human Growth and Differentiation factor 15, His Tag

CATALOG #
AAA38710

HOST
E Coli

PRODUCT SYNONYMS

Growth and Differentiation factor 15; Recombinant Human Growth and Differentiation factor 15; His Tag; GDF15 Human; His; Growth and Differentiation Factor 15 Human Recombinant; GDF-15; MIC1; MIC-1; NAG-1; PDF; PLAB; PTGFB; Growth/differentiation factor 15; Placental bone morphogenetic protein; Placental TGF-beta; Macrophage inhibitory cytokine 1; Prostate differentiation factor; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; NRG-1; GDF15; GDF15 His; GDF15 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The GDF15 protein solution contains 10mM sodium citrate, pH-3.5 & 10% glycerol. Sterile filtered colorless solution.
Concentration	0.5 mg/ml (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMARA RRGDHCPLGP GRCCRLHTVR ASLEDLGWAD WVLSPREVQV TMCIGACPSQ FRAANMHAQI KTSLHRLKPD TVPAPCCVPA SYNPMVLIQK TDTGVSLQTY DDLLAKDCHC I
Sequence Length	308
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GDF15 recombinant protein	Description: Recombinant Human GDF15 produced in E Coli is a single, non-glycosylated polypeptide chain containing 151 amino acids (195-308) and having a molecular mass of 16.7 kDa(molecular weight on SDS-PAGE will appear higher).GDF15 is expressed with a 36 amino acid His tag fused at N-Terminus and purified by proprietary chromatographic techniques. Introduction: GDF15 is part of the TGF-Beta superfamily that is involved in regulating inflammatory and apoptotic pathways in injured tissues and throughout disease processes. GDF15 is most abundant in the liver. Its expression in liver can be considerably up-regulated in during injury of organs such as liver, kidney, heart and lung. GDF-15 promotes proliferation or growth arrest and differentiation due to differences in cellular differentiation. GDF15 prevents apoptosis in cerebellar granule neurons by activating Akt and inhibiting endogenously active ERK. GDF15 is a novel autocrine/endocrine factor that antagonizes the hypertrophic response and loss of ventricular performance.
Product Categories/Family for GDF15 recombinant protein	Cytokines and Growth Factors; Cytokines; Bone Morphogenetic Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792495
NCBI GeneID	9518

NCBI Accession #	NP_004855.2
NCBI GenBank Nucleotide #	NM_004864.2
UniProt Accession #	Q99988 ; O14629 ; P78360 ; Q9BWA0 ; Q9NRT0
Molecular Weight	34,140 Da
NCBI Official Full Name	growth/differentiation factor 15
NCBI Official Synonym Full Names	growth differentiation factor 15
NCBI Official Symbol	GDF15
NCBI Official Synonym Symbols	PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15
NCBI Protein Information	growth/differentiation factor 15; NRG-1; NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; PTGF-beta; macrophage inhibitory cytokine 1; placental TGF-beta; placental bone morphogenetic protein; prostate differentiation factor
UniProt Protein Name	Growth/differentiation factor 15
UniProt Gene Name	GDF15
UniProt Synonym Gene Names	MIC1; PDF; PLAB; PTGFB; GDF-15; MIC-1; NAG-1; NRG-1
UniProt Entry Name	GDF15_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gdf15-recombinant-protein-e-coli/38710>