

Recombinant Human Growth Differentiation Factor 15, His-tagged

Cat. No. GDF15-626H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GDF-15, fused to His-tag, was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Species	Human
Source	Human
Description	Growth differentiation factor 15 (GDF-15) is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. This protein is most abundant in the liver, with lower levels seen in some other tissues. Its expression in liver can be significantly up-regulated in during injury of organs such as liver, kidney, heart and lung.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 10mM sodium citrate, pH 3.5, containing 10% glycerol.
Purity	> 95% by SDS - PAGE
Sequence	195-308 amino acids: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMARA RNGDHCPLGP GRCCRLHTVR ASLEDLGWAD WVLSPREVQV TMCIGACPSQ FRAANMHAQI KTS LHRLKPD TVPAPCCVPA SYNPMVLIQK

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	TDTGVSLQTY DDLLAKDCHC I
Molecular Mass	16.7 kDa (151aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)
Applications	SDS - PAGE
Endotoxin Levels	< 1.0 EU per ug of protein (determined by LAL method)
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
GENE INFORMATION	
Gene Name	GDF15 growth differentiation factor 15 [Homo sapiens]
Official Symbol	GDF15
Synonyms	GDF15; growth differentiation factor 15; PDF; MIC1; PLAB; MIC-1; NAG-1; PTGFB; GDF-15; PTGF-beta; prostate differentiation factor; NSAID(nonsteroidal anti-inflammatory drug)-activatedprotein 1; NRG-1; Macrophage inhibitory cytokine 1; NSAID-activated gene1 protein; NSAID-regulated gene 1 protein; Placental TGF-beta; Placentalbone morphogeneticprotein; Growth/differentiation factor 15
Gene ID	9518
mRNA Refseq	NM_004864
Protein Refseq	NP_004855
MIM	605312

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UniProt ID	Q99988
Chromosome Location	19p13.11
Pathway	Direct p53 effectors
Function	cytokine activity; growth factor activity

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