

## Product datasheet for **AR09293PU-N**

### **GDF15 (195-308, His-tag) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	GDF15 (195-308, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> GMASMTGGQQ MGRDLYDDDD KDRWGSMARA RRGDHCPLGP GRCCRLHTVR ASLEDLGWAD WWLSPREVQV TMCIGACPSQ FRAANMHAQI KTSLHRLKPD TVPAPCCVPA SYNPMVLIQK TDTGVSLQTY DDLLAKDCHC I
Tag:	His-tag
Predicted MW:	16.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 10 mM Sodium Citrate (pH 3.5) containing 10% glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method )
Preparation:	Liquid purified protein
Protein Description:	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.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_004855</u>
Locus ID:	9518
UniProt ID:	<u>Q99988</u>
Cytogenetics:	19p13.11
Synonyms:	GDF-15; MIC-1; MIC1; NAG-1; PDF; PLAB; PTGFB



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**Summary:**

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The protein is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is involved in the stress response program of cells after cellular injury. Increased protein levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress. [provided by RefSeq, Aug 2016]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**