

## Product datasheet for **AR51847PU-N**

### **BMP11 / GDF11 (299-407, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	BMP11 / GDF11 (299-407, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSNLGLDCD EHSSESRCR YPLTVDFEAF GWDWIIAPKR YKANYCSGQC EYMFMQKYPH THLVQQANPR GSAGPCCTPT KMSPINMLYF NDKQQIIYGK IPGMVVDRCG CS
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	14.8 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human GDF11, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_005802</a>
<b>Locus ID:</b>	10220
<b>UniProt ID:</b>	<a href="#">O95390</a> , <a href="#">A0A024RB20</a>
<b>Cytogenetics:</b>	12q13.2
<b>Synonyms:</b>	BMP-11, GDF-11, Bone morphogenetic protein 11



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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. This protein plays a role in the development of the nervous and other organ systems, and may regulate aging. [provided by RefSeq, Aug 2016]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**