

## Product datasheet for **AR09217PU-N**

### **BMP3B / GDF10 (369-478) Human Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	BMP3B / GDF10 (369-478) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MQWDEPRVCS RRYLKVDFAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGIIIPG IPEPCCVPDK MNSLGVLF LD ENRNVLKVY PNMSVDTCAC R
Predicted MW:	12.5 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
Preparation:	Liquid purified protein
Protein Description:	Recombinant GDF10 protein was expressed in E.coli and purified by using conventional chromatography techniques.
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:	<a href="#">NP_004953</a>
Locus ID:	2662
UniProt ID:	<a href="#">P55107</a>
Cytogenetics:	10q11.22
Synonyms:	BIP; BMP-3b; BMP3B



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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 promotes neural repair after stroke. Additionally, this protein may act as a tumor suppressor and reduced expression of this gene is associated with oral cancer. [provided by RefSeq, Jul 2016]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**