

## Product datasheet for **AR09217PU-L**

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

#### **Product data:**

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | BMP3B / GDF10 (369-478) human recombinant protein, 0.5 mg  |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | E. coli  |
| <b>Expression cDNA Clone or AA Sequence:</b> | MQWDEPRVCS RRYLKVDFAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS<br>IVRAVGIIIPG IPEPCCVPDK MNSLGVLF LD ENRNVLKVY PNMSVDTCAC R         |
| <b>Predicted MW:</b>                         | 12.5 kDa   |
| <b>Concentration:</b>                        | lot specific   |
| <b>Purity:</b>                               | >95% by SDS - PAGE   |
| <b>Buffer:</b>                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 10 mM sodium citrate (pH 3.5) containing 10% glycerol |
| <b>Preparation:</b>                          | Liquid purified protein  |
| <b>Protein Description:</b>                  | Recombinant GDF10 protein was expressed in E.coli and purified by using conventional chromatography techniques.                        |
| <b>Storage:</b>                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.<br>Avoid repeated freezing and thawing.    |
| <b>Stability:</b>                            | Shelf life: one year from despatch.  |
| <b>RefSeq:</b>                               | <a href="#">NP_004953</a>  |
| <b>Locus ID:</b>                             | 2662   |
| <b>UniProt ID:</b>                           | <a href="#">P55107</a>   |
| <b>Cytogenetics:</b>                         | 10q11.22   |
| <b>Synonyms:</b>                             | 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:**