

**BMP-12/GDF-7, human recombinant protein**  
bone morphogenetic protein 12, BMP12, BMP 12  
Catalog # PBV10312r**Specification**

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**BMP-12/GDF-7, human recombinant protein - Product info**

Primary Accession [BAD07014](#)  
Calculated MW 27 kDa KDa

**BMP-12/GDF-7, human recombinant protein - Additional Info**

Gene ID 151449  
Gene Symbol BMP12/GDF7  
**Other Names**  
BMP-12/GDF-7, BMP12/GDF7, BMP 12/GDF 7,  
  
Gene Source Human  
Source E. coli  
Assay&Purity SDS-PAGE; ≥98%  
Assay2&Purity2 HPLC; ≥98%  
Recombinant Yes  
Results 0.2 - 2.5 µg/ml  
**Target/Specificity**  
BMP-12/GDF-7

**Application Notes**

Reconstitute to a concentration of 0.1-1.0 mg/ml in H<sub>2</sub>O containing BSA (50 µg BSA per 1 µg of protein). This solution can then be diluted into other aqueous buffers.

**Format**

Lyophilized protein

**Storage**

-20°C; Sterile filtered and lyophilized with no additives

**BMP-12/GDF-7, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BMP-12/GDF-7, human recombinant protein - Images**

## **BMP-12/GDF-7, human recombinant protein - Background**

BMPs (bone morphogenetic proteins) belong to the TGF- $\beta$  superfamily of structurally related signaling proteins. As implied by their name, BMPs promote and regulate bone development, growth, remodeling and repair, in both prenatal development and postnatal growth of eye, heart, kidney, skin, and other tissues. BMP-12 is highly conserved across species. BMP-12 regulates chondrogenesis, bone morphogenesis, and neuron differentiation. Recombinant human BMP-12 is a 27 kDa disulfide-linked homodimer containing two 122 amino acid polypeptide chains.