

**BMP-7, human recombinant protein**  
**Osteogenic Protein 1, BMP-7**  
**Catalog # PBV10318r****Specification**

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**BMP-7, human recombinant protein - Product info**

Primary Accession [P18075](#)  
Calculated MW **15.7 kDa** KDa

**BMP-7, human recombinant protein - Additional Info**

|                             |                       |
|-----------------------------|-----------------------|
| Gene ID                     | <b>655</b>            |
| Gene Symbol                 | <b>BMP 7</b>          |
| <b>Other Names</b>          |                       |
| Osteogenic Protein 1, BMP-7 |                       |
| Gene Source                 | <b>Human</b>          |
| Source                      | <b>E. coli</b>        |
| Assay&Purity                | <b>SDS-PAGE; ≥98%</b> |
| Assay2&Purity2              | <b>HPLC; ≥98%</b>     |
| Recombinant                 | <b>Yes</b>            |
| Results                     | <b>2-12 µg/ml</b>     |
| <b>Target/Specificity</b>   |                       |
| BMP-7                       |                       |

**Application Notes**

Reconstitute to a concentration of 0.1-1.0 mg/ml in H<sub>2</sub>O. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

**Format**

Lyophilized protein

**Storage**

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

**BMP-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-7, human recombinant protein - Images**

**BMP-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. Recombinant human BMP-7 produced from E. coli is a 15.7 kDa monomeric, non-glycosylated, polypeptide chain containing 139 amino acid residues.