

**Human CellExp BMP-4, Human recombinant protein**  
**Human Cellexp Human Recombinant BMP-4**  
**Catalog # PBV10677r****Specification**

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**Human CellExp BMP-4, Human recombinant protein - Product info**

Primary Accession [P12644](#)  
Calculated MW **34 kDa, homodimer, glycosylated. KDa**

**Human CellExp BMP-4, Human recombinant protein - Additional Info**

Gene ID **652**  
Gene Symbol **BMP4**  
**Other Names**  
BMP4, ZYME, BMP2B, BMP2B1  
  
Gene Source **Human**  
Source **Human 293 cell expressed**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **N/A;**  
Recombinant **Yes**  
Results **2 to 10 ng/ml**

**Application Notes**

Reconstitute in sterile 4 mM HCl containing 0.1% endotoxin-free recombinant human serum albumin.

**Format**

Lyophilized

**Storage**

-80°C; Lyophilized from a PBS solution.

**Human CellExp BMP-4, 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](#)

**Human CellExp BMP-4, Human recombinant protein - Images****Human CellExp BMP-4, Human recombinant protein - Background**

BMP4 belongs to the transforming growth factor-beta (TGF $\beta$ ) superfamily. 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-4 plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5' untranslated region of this gene has been described and three variants are described, all encoding an identical protein.

#### **Human CellExp BMP-4, Human recombinant protein - References**

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