

BMP-4, Human CellExp™, Human Recombinant

CATALOG #:	6445-10	10 µg
	6445-50	50 µg
ALTERNATE NAMES:	BMP4, ZYME, BMP2B, BMP2B1	
SOURCE:	Human 293 Cell Expressed	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	34 kDa, homodimer, glycosylated.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein	
FORMULATION:	Lyophilized from a PBS solution.	
RECONSTITUTION:	Reconstitute in sterile 4 mM HCl containing 0.1% endotoxin-free recombinant human serum albumin.	

STORAGE CONDITIONS:
Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

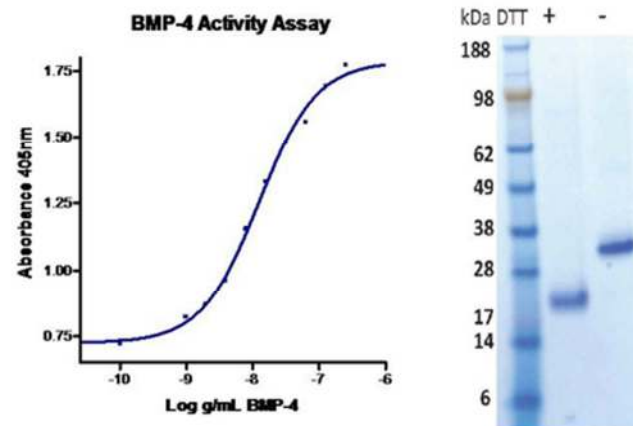
- ADVANTAGES:**
- Animal-derived product free
 - High Activity
 - Authentic Glycosylation

DESCRIPTION:
BMP4 belongs to the transforming growth factor-beta (TGFβ) 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.

FOR RESEARCH USE ONLY! Not to be used in humans.

BIOLOGICAL ACTIVITY:

ED₅₀ is typically 2 to 10 ng/mL. The specific activity was determined by the dose dependent induction of alkaline phosphatase production in the ATDC-5 cell line (Mouse chondrogenic cell line).



Human Cell^{exp} Human Recombinant BMP-4

RELATED PRODUCTS:

- Human Cell^{exp} Human Recombinant BMP-2 (Cat # 6444-10, -50)
- Human Cell^{exp} Human Recombinant BMP-7 (Cat # 6446-10, -50)
- BMP-10, human recombinant (Cat # 4581-20, -100, -1000)
- BMP-11, human recombinant (Cat # 4576-10, -50, -1000)
- BMP-12, human recombinant (Cat # 4572-20, -100, -1000)
- BMP-13, human recombinant (Cat # 4639-10, -50, -1000)
- BMP-14, human recombinant (Cat # 4580-10, -50, -1000)
- BMP-2, human recombinant (Cat # 4577-10, -50, -1000)
- BMP-3, human recombinant (Cat # 4573-10, -50, -1000)
- BMP-4, human recombinant (Cat # 4578-10, -50, -1000)
- BMP-5, human recombinant (Cat # 4574-10, -50, -1000)
- BMP-6, human recombinant (Cat # 4911-10, -50, -1000)
- BMP-7, human recombinant (Cat # 4579-10, -50, -1000)
- BMPR1A, human recombinant (Cat # 4881-10, -1000)
- TGF-beta1, human recombinant (Cat. No. 4342-5, -50, -500)
- TGF-beta2, human recombinant (Cat. No. 4340-5, -50, -500)
- TGF-beta3, human recombinant (Cat. No. 4344-5, -50, -500)
- TGF-beta1 Antibody (Cat. No. 5559-100)
- TGF-beta2 Antibody (Cat. No. 5340-100)
- TGF-beta2 Antibody (Cat. No. 5343R-100)
- TGF-beta3 Antibody (Cat. No. 5344R-100)
- Human Recombinant LEFTY-I (Cat # 4873-10, -50)