

BMP-2, Human CellExp™, Human Recombinant

CATALOG #:	6444-10	10 µg
	6444-50	50 µg
ALTERNATE NAMES:	BMP-2, BMP2A.	
SOURCE:	Human 293 Cell Expressed	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	30 to 38 kDa, homodimer, glycosylated.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein	
FORMULATION:	Lyophilized from a solution of 50 mM sodium acetate, pH 4.5, with 50 mM NaCl.	
RECONSTITUTION:	Reconstitute in sterile PBS 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:	<ul style="list-style-type: none"> • Animal-derived product free • High Activity • Authentic Glycosylation 	

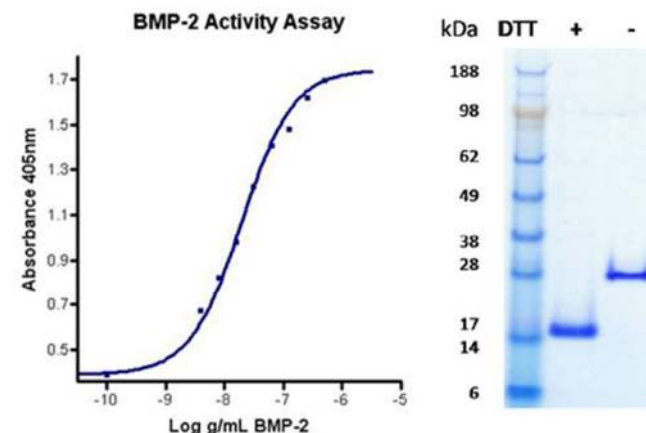
DESCRIPTION:

BMP2 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. In addition to its osteogenic activity, BMP-2 also plays an important role in cardiac morphogenesis. BMP-2 is expressed in a variety of tissues such as lung, spleen, brain, liver, prostate ovary, and small intestine. BMP2 is a candidate gene for the autosomal dominant disease of fibrodysplasia (myositis) ossificans progressiva. BioVision's BMP-2 is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media and other applications.

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

BIOLOGICAL ACTIVITY:

ED₅₀ is typically 20 to 100 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-2

RELATED PRODUCTS:

- Human Cell^{exp} Human Recombinant BMP-4 (Cat # 6445-10, -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)