

BMP-7, Human CellExp™, human recombinant

CATALOG #: 6446-10 10 µg
 6446-50 50 µg

ALTERNATE NAMES: Osteogenic Protein 1, BMP-7

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.

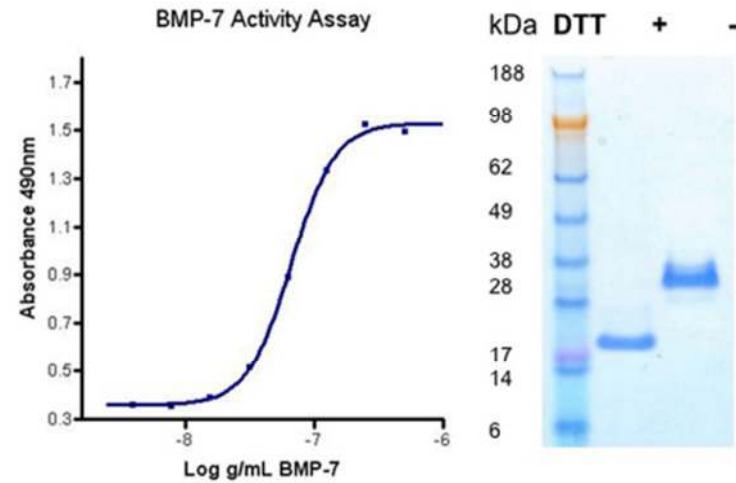
STORAGE CONDITIONS:
 Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

ADVANTAGES:

- 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. Based on its expression early in embryogenesis, BMP-7 has a proposed role in early development. In addition, the fact that BMP-7 is closely related to BMP5 has led to speculation of possible bone inductive activity.

BIOLOGICAL ACTIVITY:
 ED₅₀ is typically 50 to 250 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-7

RELATED PRODUCTS:

- Human Cell^{exp} Human Recombinant BMP-2 (Cat # 6444-10, -50)
- Human Cell^{exp} Human Recombinant BMP-4 (Cat # 6445-10, -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)

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

