

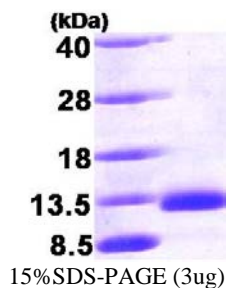
Product: BMP-2 (Bone Morphogenetic 2, 283-396aa), human
Catalog #: 11-BMP-2
Amount: 5 µg

DESCRIPTION: BMP-2 (Bone morphogenetic protein 2) is multi-functional growth factors that belong to the transforming growth factor beta (TGF beta) superfamily. It plays an important role in embryonic dorsal-ventral patterning, organogenesis, limb bud formation, and bone formation and regeneration. BMP-2 also promotes the maintenance and repair of colonic epithelium, suppresses neuronal dopamine synthesis and release, induces apoptosis in medulloblastoma cells, and is required for cardiac contractility.

Synonyms: BMP-2A

AA Sequence:

MQAKHKQRKR LKSSCKRHPL YVDFSDVGWN DWIVAPPGYH AFYCHGECPF PLADHLNSTN
 HAIVQTLVNS VNSKIPKACC VPTELSAISM LYLDENEKVV LKNYQDMVVE GCGCR



SOURCE: Recombinant, *E. coli* expression system
MOLECULAR WEIGHT: 13 kDa (115 aa)
PURITY: > 95% by SDS PAGE
FORM: Purified, in 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol
ENDOTOXIN: < 1.0 EU per 1µg of protein (determined by LAL method)
CONCENTRATION: 0.5 mg/ml
STORAGE: -20°C (aliquot), Avoid repeated freeze and thaw cycles

REFERENCE:

Chen D., *et al.* (2004). *Growth factors*. **22**(4):233-241
 Schliephake H., *et al.* (2005). *Clin Oral Implants Res*. **17**(6):666-672

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