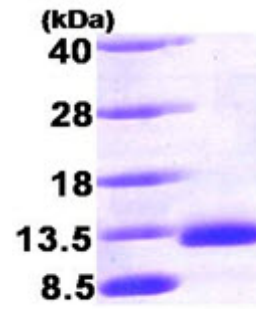


AR09127PU-L**Recombinant human BMP2 (aa 283-396)**

Alternate names:	BMP-2, BMP-2A, Bone morphogenetic protein 2
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P12643
NCBI:	NP_001191
GeneID:	650
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 10 mM Sodium Citrate (pH 3.5) containing 10% glycerol Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)
Description:	Recombinant human BMP-2 protein was expressed in E.coli and purified by using conventional chromatography techniques, after refolding of the isolated inclusion body in renaturation buffer. AA Sequence: MQAKHKQRKR LKSSCKRHPL YVDFSDVGWN DWIVAPPGYH AFYCHGECPF PLADHLNSTN HAIVQTLVNS VNSKIPKACC VPTELSAISM LYLDENEKVV LKNYQDMVVE GCGCR Molecular weight: kDa (115aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Chen D., et al. (2004). Growth factors. 22(4):233-41. Schliephake H., et al. (2005). Clin Oral Implants Res. 17(6):666-72.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human BMP-2, aa 283-396:
15% SDS-PAGE (3 μ g)

