

Product datasheet for **SC314775**

BMP1 (NM_006128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BMP1 (NM_006128) Human Untagged Clone
Tag:	Tag Free
Symbol:	BMP1
Synonyms:	bone morphogenetic protein 1; FLJ44432; PCOLC; PCP; pCP-2; procollagen C-endopeptidase; procollagen C-proteinase; TLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

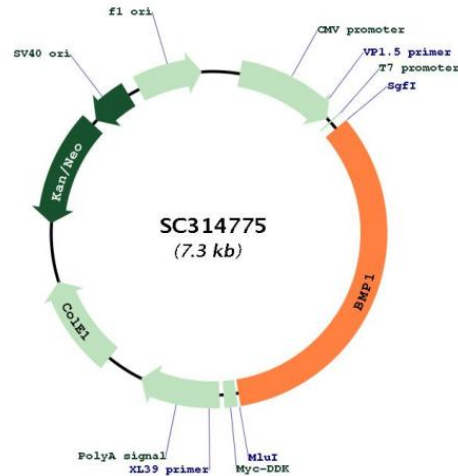
>SC314775 representing NM_006128.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_006128

Insert Size: 2472 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006128.2](#)

RefSeq Size: 3101 bp

RefSeq ORF: 2472 bp

Locus ID: 649

Cytogenetics: 8p21.3

Domains: CUB, Astacin, EGF_CA, ZnMc, EGF, EGF

Protein Families: Druggable Genome, Protease

MW: 92.7 kDa

Gene Summary: This gene encodes a protein that is capable of inducing formation of cartilage in vivo. Although other bone morphogenetic proteins are members of the TGF-beta superfamily, this gene encodes a protein that is not closely related to other known growth factors. This gene is expressed as alternatively spliced variants that share an N-terminal protease domain but differ in their C-terminal region. [provided by RefSeq, Aug 2008]
Transcript Variant: This variant (BMP1-2) contains an additional segment in the coding region compared to variant BMP1-1. The resulting isoform (2) contains a distinct C-terminus compared to isoform 1.