

Product datasheet for **SC124407**

BMPER (NM_133468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BMPER (NM_133468) Human Untagged Clone
Tag:	Tag Free
Symbol:	BMPER
Synonyms:	CRIM3; CV-2; CV2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_133468, the custom clone sequence may differ by one or more nucleotides

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ATGCTCTGGTTCTCCGGCGTCGGGGCTCTGGCTGAGCGTTACTGCCGCCGCTCGCCTGGGATTACGTGCT
GCGTCTTGCTGCTACTCAATTGCTCGGGGTCCCATGTCTCTGGCTTCCTCCTTCTTGACAGGTTCTGT
TGCAAAATGTGAAAATGAAGGTGAAGTCCCTCCAGATTCCATTTATCACAGACAACCCCTTGACATAATGTGT
GTCTGCTTGAACAAGGAAGTGACATGTAAGAGAGAGAAGTGCCCCGTGCTGTCCCGAGACTGTGCCCTGG
CCATCAAGCAGAGGGGAGCCTGTTGTGAACAGTGCAAAGTTGCACCTATGAAGGAAATACCTATAACAG
CTCCTTCAAATGGCAGAGCCCGCTGAGCCTTGTTCTACGCCAGTGCCAGGAGGGCGTTGTACAGAG
TCTGGGGTGGCGTGTGTTGTTTATTGAAAAACCCCTTTGGAGCATCTGGGAATGTGCTGCCCCACATGTC
CAGGCTGTGTGTTTGGGGTGTGCAATCAAGAAGGGGAGGAATTTAGCCAGAAGGAAGCAAATGTAC
CAAGTGTCTGCACTGGAGGCAGGACACAATGTGTGAGAGAAGTCTGTCCATTCTCTCTGTCCCCAG
CACCTTAGTCACATACCCCGAGGACAGTGTGCCCCAAATGTTTGGGTGAGAGAAAGTGTGTTGACCTCC
CTTTTGGGAGCTGCCTCTTTGAAAGTGTGTTTATGACAATGGATCCTCATTCTGTACGATAACTGCAC
AGCTTGTACCTGCAGGGACTCTACTGTGGTTTGAAGAGGAAGTGTCCACCCTGGTGGCTGTGACCAA
GGCCAGGAGGGCTGTTGTGAAGAGTGCCTCCTACGAGTGCCCCAGAAAGCATCAAAGTATGCAAAATTTG
GCAACAAGATTTTCCAGGATGGAGAGATGTGGTCTCTATCAATTGTACCATCTGTGCTTGTGTGAAAGG
CAGGACGGAGTGTGCAATAAGCAGTGCATTCCCATCAGTAGCTGCCACAGGGCAAAATTTCTCAACAGA
AAAGGATGCTGTCTATTTGCACTGAAAAGCCCGCGTGTGACGGTGTGTTGGAGATCCCCACTACAACA
CTTTTACGGTTCGGACATTTAATTTAGGGGACGTGTGAGTACGTTTGGACAAAAGACTGCTCCTCCCC
TGCTCGCCCTCCAGGTGTGGTGAAGAACGACGCCCGCCGGACACGCTCCTTCTGTGGACCAAGTGC
GTGGAGCTGGTGTGGCGAGAGCAGGGTCAAGTGCAGCAGCACCTCACCGTGGCTGGAACGGTCCG
GCATCGCGCTCCCTGCCGCGCCACACTTCCACATCGACCTGGATGGCTACCTTTGAAAGTGACCAC
CAAAGCAGGTTTGGAAATATCTTGGGATGGAGACAGTTTTGTAGAAGTCATGGCTGCGCCGCATCTCAAG
GGCAAGCTCTGTGGTCTTTGTGGCAACTACAATGGACATAAACGTGATGACTTAATTGGTGGAGATGGAA
ACTTCAAGTTTGTGATGTGGATGACTTTGCTGAATCTTGGAGGGTGGAGTCCAATGAGTTCTGCAACAGACC
TCAGAGAAAGCCAGTGCCTGAATGTGTCAAGGGACAGTCAAGGTAAAGCTCCGGGCCCATCGAGAATGC
CAAAAGCTCAAATCCTGGGAGTTTCAAGCTGCCACTCGACTGTGGACTACGCCACTTTCTACCGGTCT
GTGTGACAGACATGTGTGAATGTCCAGTCCATAAAAACTGTTATTGCGAGTCATTTTGGCATATACCCG
GGCCTGCCAGAGAGAGGGCATCAAAGTCCACTGGGAGCCTCAGCAGAATTGTGCAGCCACCCAGTGAAG
CATGGTGTGTGTACGATACCTGTGGTCCGGGATGTATCAAGACGTGTGACAACCTGGAATGAAATGGTC
CATGCAACAAGCCGTGCGTTGCTGGGTGCCACTGTCCAGCAAACCTGGTCTTCAACAAGGAAGGTGCAT
CAAGCCAGTCCTTTGTCCCCAGCGGTGA
    
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Chromatograms: https://cdn.origene.com/chromatograms/ja1858_f10.zip

Restriction Sites: NotI-NotI

ACCN: NM_133468

Insert Size: 3950 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_133468.2](#), [NP_597725.1](#)

RefSeq Size: 5032 bp

RefSeq ORF: 2058 bp

Locus ID: 168667

UniProt ID: [Q8N8U9](#)

Cytogenetics: 7p14.3

Protein Families: Secreted Protein

Gene Summary: This gene encodes a secreted protein that interacts with, and inhibits bone morphogenetic protein (BMP) function. It has been shown to inhibit BMP2- and BMP4-dependent osteoblast differentiation and BMP-dependent differentiation of the chondrogenic cells. Mutations in this gene are associated with a lethal skeletal disorder, diaphanospondylodysostosis. [provided by RefSeq, Dec 2011]