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Product datasheet for MC208187

Bglap (NM_001037939) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bglap (NM_001037939) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bglap
Synonyms:	Bglap1; mOC-A; OC; OG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208187 representing NM_001037939 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGGACCATCTTTCTGCTCACTCTGCTGACCCTGGCTGCGCTCTGTCTCTCTGACCTCACAGATGCCA AGCCCAGCGGCCCTGAGTCTGACAAAGCCTTCATGTCCAAGCAGGAGGGCAATAAGGTAGTGAACAGACT CCGGCGCTACCTTGGGTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001037939
Insert Size:	159 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).
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).

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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_001037939.2, NP_001033028.1

RefSeq Size: 702 bp

RefSeq ORF: 159 bp

Locus ID: 12096

Cytogenetics: 3 38.82 cM

Gene Summary: This gene encodes one of the most abundant non-collagenous proteins in bone tissue that is localized to the mineralized matrix of bone. The encoded preproprotein undergoes proteolytic processing and post-translational gamma carboxylation to generate a mature, calcium-binding protein. Mice lacking the encoded protein develop abnormalities of bone remodelling. This gene is located adjacent to two other osteocalcin-related genes on chromosome 3. [provided by RefSeq, Oct 2015]