

Product datasheet for **MR226350**

Bglap (NM_001037939) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bglap (NM_001037939) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bglap
Synonyms: Bglap1; mOC-A; OC; OG1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR226350 representing NM_001037939
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGACCATCTTTCTGCTCACTCTGCTGACCCTGGCTGCGCTCTGTCTCTCTGACCTCACAGATGCCA
AGCCCAGCGGCCCTGAGTCTGACAAAGCCTTCATGTCCAAGCAGGAGGGCAATAAGGTAGTGAACAGACT
CCGGCGCTACCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226350 representing NM_001037939
Red=Cloning site Green=Tags(s)

MRTIFLLTLLTAAALCLSDLTDAKPSGPESDKAFMSKQEGNKVVRRLRRYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

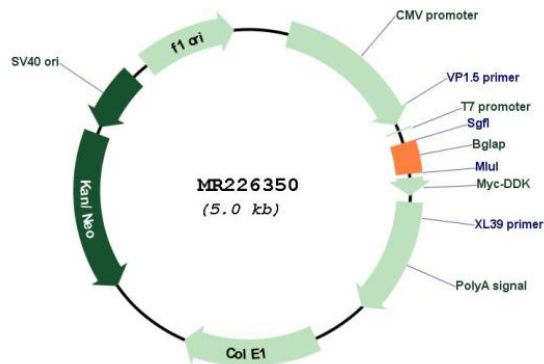


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001037939
 ORF Size: 156 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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:	351 bp
RefSeq ORF:	159 bp
Locus ID:	12096
Cytogenetics:	3 38.82 cM
MW:	6.2 kDa
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]