

Datasheet for ABIN3293738

Mouse BGLAP2 cDNA Clone in Mammalian Expression Vector (Myc-DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	BGLAP2
Species:	Mouse
Insert:	cDNA
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Untagged full-length cDNA clone from Mouse (Murine) Bglap2 is ideal for over-expression of native protein for functional studies.
Brand:	TrueClones®
Insert Length:	288 bp
Vector Backbone:	pCMV6-Entry
Promoter:	Enhanced CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Kanamycin
Expression Type:	Transient
Specificity:	Restriction Site: SgfI-MluI. With the native stop codon at the end of the ORF the C-terminal Myc-DDK tag in the vector won't be expressed.
Characteristics:	<ul style="list-style-type: none"> • These cDNA clones are isolated from full-length cDNA libraries and usually contain the coding sequence as well as the untranslated regions (UTRs) of the mRNA transcript appropriate to the library from which they were isolated.

Product Details

- These cDNA clones are ideal for over-expression of native proteins for functional studies. Provided as 10 µg transfection-ready plasmids.
- Every lot of primer is tested to provide clean sequencing of cDNA clones.

Purification:	The DNAs were purified using PowerPrep HP Plasmid isolation kits for transfection ready plasmids.
Sequencing Primer:	VP1.5 (forward) 5'GGACTTTCCAAAATGTTCG 3', XL39 (reverse) 5'ATTAGGACAAGGCTGGTGGG 3'
Grade:	End-sequenced
Components:	<ul style="list-style-type: none">• The cDNA clone is shipped in a 2-D bar-coded Matrix tube as dried plasmid DNA.• The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Target Details

Gene:	BGLAP2
Alternative Name:	Bglap2 (BGLAP2 Products)
Background:	This gene encodes a preproprotein that is proteolytically processed to generate a mature protein product. This protein product is a hormone that is secreted by osteoblasts and may function in bone remodeling and energy metabolism. Homozygous knockout mice for this gene exhibit a gradual increase in bone size, density and strength, as well as elevated adiposity and impaired glucose tolerance. This gene is present in a gene cluster with other related genes on chromosome 3. [provided by RefSeq, Aug 2015].
NCBI Accession:	NM_001032298 , NP_001027469

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Storage:	RT, -20 °C
Storage Comment:	The lyophilized plasmid is stable for up to one year when stored at ambient temperature. Following dissolution in 100 µL dH ₂ O, store at -20 °C. Lyophilized primers are stable for up to

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Handling

one year when stored at ambient temperature. Following dissolution in 10 μ L dH₂O, store at -20 °C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)