

Product datasheet for **MG221882**

Bcl11a (NM_016707) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl11a (NM_016707) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bcl11a
Synonyms:	2810047E18Rik; BCL-11A; Ctip1; D930021L15Rik; Evi9; Evi9a; Evi9b; Evi9c; mKIAA1809
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG221882 representing NM_016707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCGCCGCAAGCAAGGCAAAACCCAGCACTTAAGCAAACGGGAATTCGCCCCGAACCTCTTGAAG
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 CTGTGGGCAGTGCCAGATGAATTTCCCACTGGGGGACATTCTTATTTTTATCGAGCAGCAAAACGAAACAA
 TGCAATGGCAGCCTCTGCTTAGAAAAAGGTGTGGATAAGCCGCCTTCCCCTTCTCCCATCGAGATGAAAA
 AGGCATCCAATCCTGTGGAGTTGGCATCCAGGTACGCCAGAGGATGACGATTGTTTATCAACGTCATC
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 CTTAAGTTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG221882 representing NM_016707
 Red=Cloning site Green=Tags(s)

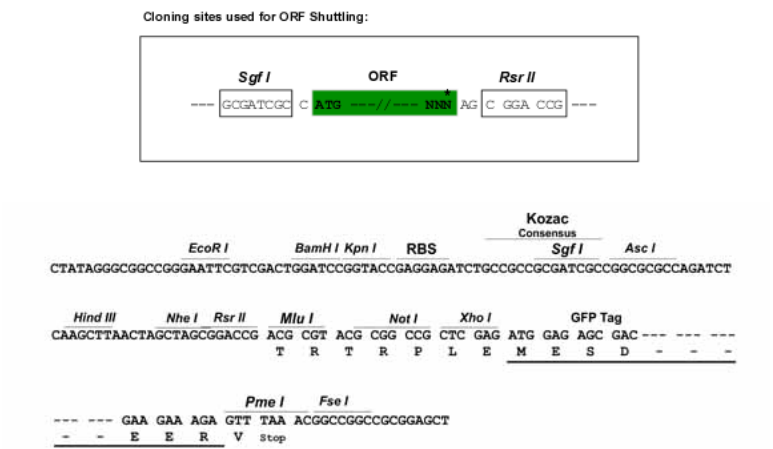
MSRRKQGKPKHL SKREFSPEPLEAILTDDEPDHGPLGAPEGDHDL TCGQCQMNFLGDILIFIEHKRKQ
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 TPPGELDGGISGRSGTGGGSTPHISGPGPRPSSKEGRRSDTCPSTPVRRTSTPRAQDVWQFSDGSSRT
 LKF

SGPTRTRRLE – GFP Tag – V

Chromatograms: https://cdn.origene.com/chromatograms/ja3053_c01.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

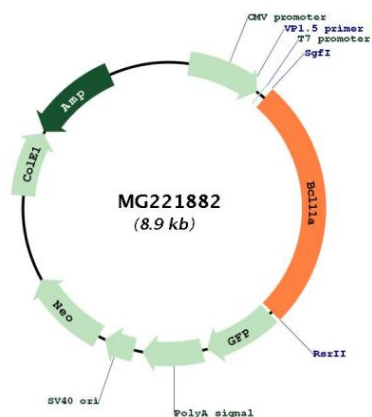


ACCN: NM_016707

ORF Size: 2319 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
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_016707.3 , NP_057916.1
RefSeq Size:	3425 bp
RefSeq ORF:	2322 bp
Locus ID:	14025
UniProt ID:	Q9QYE3
Cytogenetics:	11 A3.2
Gene Summary:	Functions as a myeloid and B-cell proto-oncogene. May play important roles in leukemogenesis and hematopoiesis. An essential factor in lymphopoiesis, is required for B-cell formation in fetal liver. May function as a modulator of the transcriptional repression activity of ARP1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221882