

Product datasheet for **MG207799**

Bcl11a (BC010585) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Bcl11a (BC010585) 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:

>MG207799 representing BC010585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTGGCCACCCATCACCCGAGTGCCTTTGACAGGGTGTGCGGTTGAATCCAATGGCTATGGAGC
 CTCCC GCCATGGATTTCTCTAGGAGACTTAGAGAGCTGGCAGGGAACACGTCTAGTCCACCCTGTCCCC
 AGGCCGCGCCAGTCTATGCAAAGTTACTGCAACCATTCCAGCCAGGTAGCAAGCCACCCTTCTGGCG
 ACGCCCCCTCCTCTGCAATCCGCCCTCCTCCCTCCCAACCCCGGTCAAGTCCAAGTCATGCG
 AGTTCTGCGGCAAGACGTTCAAATTTAGAGCAACTTGGTGGTTACCGACGCAGCCATACTGGTGAAG
 GCCCTATAAGTGAACCTGTGCGACCACGCGTGCACACAGGCCAGCAAGCTGAAGCGTCACATGAAGACA
 CACATGCACAAATCGTCCCCATGACAGTCAAGTCCGACGATGGCTCTCCACAGCCAGCTCCCCGGAAC
 CTGGTACCAGCGACCTGGTGGGCGAGCCAGCAGTGCCTCAAGTCAGTGGTGGCCAAGTTCAAGAGTGA
 GAACGACCCCACTTGTCCCAGAGAACGGGATGAGGAGGAAGAGGAGGACGACGAGGAAGAAGAAGAA
 GAGGAGGAAGAGGAGGAGGAGGAGCTGACGGAGAGCGAGAGGGTGGACTACGGCTTCGGGCTGAGCCTGG
 AGGCTGCACGCCACCATGAGAACAGCTCTCGGGGCGCAGTGGTGGGCGTGGGCGACGAGGGCCGCGCCCT
 GCCCGATGTCATGCAGGGCATGGTGTCTAGCTCCATGCAGCACTTCCAGCGAGGCTTCCACCAGGTCCTG
 GGCGAAAAGCATAAGCGTAGCCACTGGCCGAGGCCGAGGGCCATAGGGACACTTGTGATGAAGACTCGG
 TGGCCGGTGAAGTACAGCCGCATAGACGATGGCACTGTTAATGGTCTGGTGTCTCCCCGGCGAATCGGC
 TTCGGGGGTCTGTCCAAAAGCTGTGCTGGGTAGCCCCAGCTCGTGAGCCCCCTTCCAAGCGCATC
 AAGCTGGAGAAGGAGTTTACCTGCCCGGCCGCGATGCCTAACACGGAGAACGTGTATTGCGAGTGGC
 TCGCTGGCTATGCGGCCCTCCAGGCAGCTCAAAGATCCCTTCTTACTTTTCGGAGACTCCAGACAATCGCC
 TTTTGCCTCCTCATCAGAGCACTCCTCGGAGAACGGGAGCTTGGCCTTCTCCACACCCCGGGGAGCTG
 GACGGAGGGATCTCAGGGCGCAGCGGCACAGGAAGTGGAGGGAGCACGCCCATATTAGTGGTCCGGGCC
 CGGGCAGGCCAGCTCAAAGAGGGCAGACGCAGCGACACTTGTCTTACACACCCCGGTTGCGCGTAG
 TACCCCGCAGCTCAAGATGTGTGGCAGTTTTCGGATGGAAGCTCAAGAACCCTTAAGTTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207799 representing BC010585
 Red=Cloning site Green=Tags(s)

MALATHHPSAFDRVLRNPMAMEPPAMDFSRRLRELANTSSPPLSPGRPSMQRLLPFQPGSKPPFLA
 TPPLPPLQSAPPPSQPPVKSKSCEFCGKTFKFQSNLVVHRRSHTGEKPYKCNLCDHACTQASKLKRHMKT
 HMKSSPMTVKSDDGLSTASSPEPGTSDLVGSASSALKSVVAKFKSENDPNLIPENGDEEEEEDEEEEEE
 EEEEEEEELTESERVDYGFGLSLEAARHHENSSRGAVVGVGDEGRALPDVMQGMVLSMQHFSEAFHQVL
 GEKHKRSHLAEAEGRDTCDEDSVAGESDRIDDGTVNGRGCSPGESASGGLSKLLLLGSPSSLSPFSKRI
 KLEKEFDLPPAAMPNTENVYSQWLAGYAAASRLKDPFLTFGDSRQSPFASSEHSSENGLRFSTPPGEL
 DGGISGRSGTGSGGSTPHISGPGPRPSSKEGRRSDTSPHTPVRRTSTPRAQDVWQFSDGSSRTLKF

SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:


ACCN: BC010585

ORF Size: 1463 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:

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: [BC010585](#), [AAH10585](#)
RefSeq Size: 2095 bp

RefSeq ORF: 1463 bp

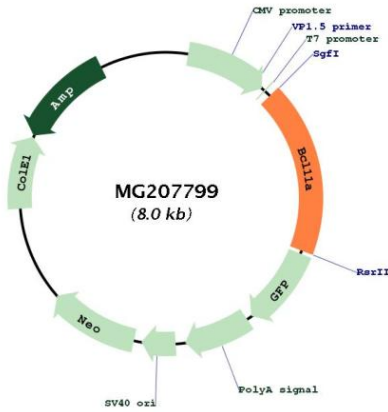
Locus ID: 14025

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 MG207799