

Product datasheet for **RG208752**

BCL10 (NM_003921) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCL10 (NM_003921) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BCL10
Synonyms:	c-E10; CARMEN; CIPER; CLAP; IMD37; mE10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208752 representing NM_003921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCACCGCACCGTCCCTCACCGAGGAGGACCTCACTGAAGTGAAGAAGGACGCCTTAGAAAATT
TACGTGTATACCTGTGTGAGAAAATCATAGCTGAGAGACATTTTGATCATCTACGTGCAAAAAATACT
CAGTAGAGAAGACTGAAGAAATTTCTGTGCAACATCAAGTAGAAAAAGGGCTGGAAAATTGTTAGAC
TACTTACAGGAAAACCCAAAAGGTCTGGACACCCTTGTGAATCTATTGCGGAGAAAAACACAGAAT
TCCTGATACAGAAGATTACAGATGAAGTCTGAACTTAGAAATATAAACTAGAACATCTGAAAGGACT
AAAATGTAGCAGTTGTGAACCTTTCCAGATGGAGCCACGAACAACCTCTCCAGATCAAATTCAGATGAG
AGTAATTTCTCTGAAAACTGAGGGCATCCACTGTGATGTACCATCCAGAAGGAGAAATCCAGCACCACGC
CCTTTTTTCTACTAATCTTCTCTGAATTTGCCTGTTCTAGAAGTAGGCAGAACTGAAAATACCATCTT
CTCTTCAACTACACTTCCAGACCTGGGGACCCAGGGCTCCTCCTTTGCCACCAGATCTACAGTTAGAA
GAAGAAGGAACTTGTGCAAACTTAGTGAGATGTTTCTCCCTAAGATCACGTACTGTTTCACGACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208752 representing NM_003921
 Red=Cloning site Green=Tags(s)

MEPTAPSLTEEDL TEVKKDALENLRVYLCEKIIAERHFDHLRAKKILSREDTEEISCRTSSRKRAKGLLD
 YLQENPKGLDTL VESIRREKTQNF LIQKITDEVLKLRNIKLEHLKGLKCSSCEPFPDGATNNLSRSNSDE
 SNFSEKLRASTVMYHPEGESSTPFFSTNSSLNLPVLEVGRTENTIFSSSTLPRPGDPGAPPLPDLQLE
 EEGTCANSSEMFLPLRSRTVSRQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003921

ORF Size: 699 bp

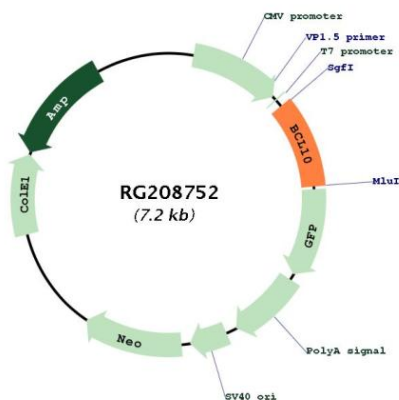
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<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:	<u>NM_003921.5</u>
RefSeq Size:	3271 bp
RefSeq ORF:	702 bp
Locus ID:	8915
UniProt ID:	<u>O95999</u>
Cytogenetics:	1p22.3
Domains:	CARD
Protein Families:	Druggable Genome
Protein Pathways:	B cell receptor signaling pathway, T cell receptor signaling pathway
Gene Summary:	This gene was identified by its translocation in a case of mucosa-associated lymphoid tissue (MALT) lymphoma. The protein encoded by this gene contains a caspase recruitment domain (CARD), and has been shown to induce apoptosis and to activate NF-kappaB. This protein is reported to interact with other CARD domain containing proteins including CARD9, 10, 11 and 14, which are thought to function as upstream regulators in NF-kappaB signaling. This protein is found to form a complex with MALT1, a protein encoded by another gene known to be translocated in MALT lymphoma. MALT1 and this protein are thought to synergize in the activation of NF-kappaB, and the deregulation of either of them may contribute to the same pathogenetic process that leads to the malignancy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG208752