

Product datasheet for **RG233224**

Bcl rambo (BCL2L13) (NM_001270726) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl rambo (BCL2L13) (NM_001270726) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BCL2L13
Synonyms:	BCL-RAMBO; Bcl2-L-13; MIL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG233224 representing NM_001270726
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGGTAGTTTCAGGTCCC GCCCCGACGCCGGCCGTGACGAAGGCACGCCGGGTGACCTCACCTCC
 AACATGGCGCGCGGTAGATTAGGGCCGCGGTTCGGAGCACTACCCGCCCTGGGGACCTGTGGAA
 GCAACTGCCGCCCGCTCTTTTCATCTTCTGGGGCAGGGCCAGGGCCAGGGTTCAACTAGATATA
 GCTTCACAATCTCTGGATCAAGAAATTTATTTAAAGTTAAAAGTAAAGTGAAGAAAGAGCTAAATCTC
 TGGACAAAGAAATTTCTGAAGCTTCACCAGCACAGGCTTTGACCGTCACACTTCTCCAGTGTTCAGCCC
 TGCCAATCCAGAAAGCTCAATGGAAGACTGCTTGGCCCATCTGGAGAAAAAGTGTCCAGGAAGTAAA
 GAGCTCTCCATAAAGCATTGCAATGCTCCTGAGCCAGCCAGTGACATATCAGGCATTTCCGGAATGTA
 CACTGGAGACCACAGTTCATGCCAGCGGTGGAATAAGATTTGGTGCCTCTGGTTTTGCTACGACAAAT
 GCTTTTGAATTGACAAGACGTGGTCAAGAACCTTTGAGCGCACTGCTGCAGTTTGGCGTGACATACCTG
 GAGGACTATTCGGCAGAGTACATCATTAGCAAGGTGGCTGGGGCACTGTGTTTAGTCTTGAGTCAGAGG
 AGGAGGAATACCCTGGAATCACTGCAGAAGATAGCAATGACATTTACATCCTGCCAGCGACAACCTCGG
 ACAAGTCAGTCCCCAGAGTCTCCAAGTGTGACCACTTCTGGCAGTCTGAGAGCTTACCTGTGTCAGT
 TCAGCTAGCCAGAGTTGGCACACAGAAAGCCTGCCAGTGTCACTAGGCCCTGAGTCTGGCAGCAGATTG
 CAATGGATCCTGAAGAAGTAAAAGCTTAGACAGCAACGGAGCTGGAGAGAAGAGTGAGAACAACCTCTC
 TAATCTGACATTGTGCACGTGGAGAAAGAGGTGCCCGAGGGCATGGAAGAGGCTGCTGTGGCTTCT
 GTGGTCTTGCCAGCGCGGAGCTGCAAGAGGCACTTCTGAAGCCCAGCTCCCTTGCTTCCACATATCA
 CTGCCACCTCCCTGCTGGGGACAAGGAACTGACACAGAAGTATCACAGTTGAGAAATCCAGCCCTGC
 TACATCTCTGTTGTAGAACTTGATGAAGAAGAGGTGAAAGCAGCAACAACCTGAACCTACTGAAGTGGAG
 GAGGTGGTCCCCGCACTGGAACCCACAGAAACGCTGCTGAGTGAAGAGGAGATAAACGCAAGGGAAGAGA
 GCCTTGTGGAAGAGCTGTCCCCTGCCAGCGAGAAGAAGCCGTGCCGCGCTCTGAGGGCAAGTCTAGACT
 GTCCCCGCCGGTGAAGCCATGCCGCTGTCTGAGGGCAAGTCTATACTGCTGTTTGGAGGGGCT
 GCTGCTGTGCCATCCTGGCAGTGGCCATCGGGGTAGCCCTGGCTCTGAGAAAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG233224 representing NM_001270726
 Red=Cloning site Green=Tags(s)

MSGSSGPAPTPAVTKARRGDLTLQHGGGRLGPRVGLTAAGGPCRKQLPPPPLSLLGQGPQGVQLDI
 ASQSLDQEILLKVKTEIEEELKSLDKIESEAFSTGFDHRHTSPVFSPANPESSMEDCLAHLGEKVSQELK
 EPLHLKALQMLLSQPVTYQAFRECTLETTVHASGWNKILVPLVLLRQMLLELTRRGQEPLSALLQFVGYL
 EDYSAEYIIQQGGWGTVFSESEEEYPGITAEDSNDIYILPSDNSGVSPPESTPTVTTWSQSESLPVSL
 SASQSWHTESLPVSLGPESWQIAMDPEEVKSLDSNGAGEKSENNSSNSDIVHVEKEEVPEGMEEAAVAS
 VVLPARELQEALPEAPAPLLPHITATSLLGTRDPDTEVITVEKSSPATSLFVELDEEEVKAATTEPTEVE
 EVVPALEPTETLLSEKEINAREESLVEELSPASEKKPVPVPPSEGKSRLSPAGEMKPMPLSEGKSILLFGGA
 AAVAILAVAIGVALALRKK

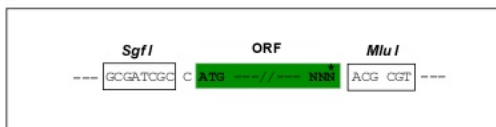
TRTRPLE – GFP Tag – V

Restriction Sites:

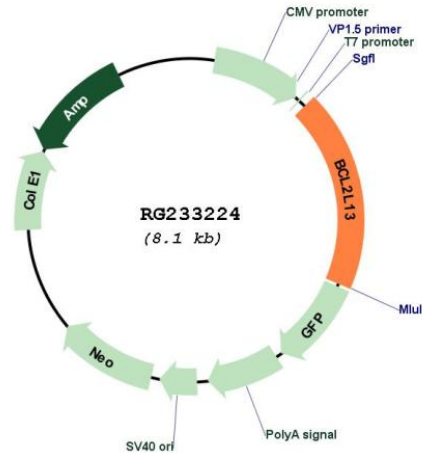
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001270726

ORF Size: 1527 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: [NM_001270726.1](#), [NP_001257655.1](#)

RefSeq Size: 4961 bp

RefSeq ORF: 1530 bp

Locus ID: 23786

Cytogenetics: 22q11.21

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a mitochondrially-localized protein with conserved B-cell lymphoma 2 homology motifs. Overexpression of the encoded protein results in apoptosis. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]