

Product datasheet for RG204498

BCL2 (NM_000633) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	BCL2 (NM_000633) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BCL2
Synonyms:	Bcl-2; PPP1R50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG204498 representing NM_000633 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGCACGCTGGGAGAACGGGGTACGATAACCGGGAGATAGTGATGAAGTACATCCATTATAAGCTGT

AIGGCGCACGCTGGGAGAACGGGGTACGATAACCGGGAGATAGTGATGAAGTACATCCATTATAAGCTGT CGCAGAGGGGCTACGAGTGGGATGCGGGAGATGTGGGCGCCCCCGGGGGCCCCCCGGGGGCCCCCCGCACCGGG CATCTTCTCCTCCCAGCCCGGGCACACGCCCCATCCAGCCGCATCCCGGGACCCGGTGCCACGAGACCTCG CCGCTGCAGACCCCGGCTGCCCCCGGCGCCGCGGGGGCCTGCGCTCAGCCCGGTGCCACCTGTGGTCC ACCTGACCCTCCGCCAGGCCGGCGACGACTTCTCCCGCCGCTACCGCCGCGACTTCGCCGAGATGTCCAG CCAGCTGCACCTGACGCCCTTCACCGCGGGGACGCTTTGCCACGGTGGAGGAGGACTCTTCAGGGAC GGGGTGAACTGGGGGAGGATTGTGGCCTTCTTTGAGTTCGGTGGGGGTCATGTGTGGAGAGGAGCTCAACC GGGAGATGTCGCCCCTGGTGGACAACATCGCCCTGTGGATGACCGAGTACCTGAACCGGCACCTGCACAC CTGGATCCAGGATAACGGAGGCTGGGATGCCTTTGTGGAACTGAGTACCTGAACCGGCACCTGCACAC CTGGATCCAGGATAACGGAGGCTGGGATGCCTTTGTGGAACTGTACGGCCCCAGCATGCGGCCTCTGTTT GATTTCTCCTGGCTGTCTCTGAAGACTCTGCTCAGTTTGGCCCTGGTGGGAGAGCTTGCATCACCCTGGGTG CCTATCTGGGCCACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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	2 (NM_000633) Human Tagged ORF Clone – RG204498
Protein Sequence:	<pre>>RG204498 representing NM_000633 Red=Cloning site Green=Tags(s)</pre>
	MAHAGRTGYDNREIVMKYIHYKLSQRGYEWDAGDVGAAPPGAAPAPGIFSSQPGHTPHPAASRDPVARTS PLQTPAAPGAAAGPALSPVPPVVHLTLRQAGDDFSRRYRRDFAEMSSQLHLTPFTARGRFATVVEELFRD GVNWGRIVAFFEFGGVMCVESVNREMSPLVDNIALWMTEYLNRHLHTWIQDNGGWDAFVELYGPSMRPLF DFSWLSLKTLLSLALVGACITLGAYLGHK
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Kozac EcoR I BamH I Kpn I RBS Sgf I Asc I CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGGAGGAGATCTGCCGCCGCGGGCGCGCGC
	GAA GAA AGA GTT TAA ACGGCCGGCGGGAGCT E E R V stop
ACCN:	NM_000633
ORF Size:	717 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 <u>custsupport@origene.com</u> 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

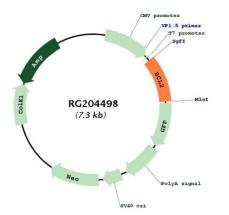
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

variants is recommended prior to use. More info

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ORIGENE BCL2 (NM_000633) Human Tagged ORF Clone – RG204498	
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 000633.2</u> , <u>NP 000624.2</u>
RefSeq Size:	6492 bp
RefSeq ORF:	720 bp
Locus ID:	596
UniProt ID:	<u>P10415</u>
Cytogenetics:	18q21.33
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Focal adhesion, Neurotrophin signaling pathway, Pathways in cancer, Prostate cancer, Small cell lung cancer
Gene Summary:	This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG204498

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