

Product datasheet for **RG204498**

BCL2 (NM_000633) Human Tagged ORF Clone

Product data:

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: >RG204498 representing NM_000633
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCACGCTGGGAGAACGGGTACGATAACCGGGAGATAGTGATGAAGTACATCCATTATAAGCTGT
CGCAGAGGGGCTACGAGTGGATGCGGGAGATGTGGGCGCCGCGCCCCGGGGGCCCGCCCCGACCGGG
CATCTTCTCCTCCAGCCCGGGCACACGCCCCATCCAGCCGCATCCCGGACCCGGTCGCCAGGACCTCG
CCGCTGCAGACCCCGGTGCCCGGCGCCGCGGGGCTGCGCTCAGCCGGTGCCACCTGTGGTCC
ACCTGACCCTCCGCCAGCCGGCGACGACTTCTCCGCGCTACCGCCGCGACTTCGCCGAGATGTCCAG
CCAGCTGCACCTGACGCCCTTACCAGCGGGGACGCTTTGCCACGGTGGTGGAGGAGCTTTCAGGGAC
GGGTGAACTGGGGAGGATTGTGGCCTTCTTTGAGTTCGGTGGGTGATGTGTGGAGAGCGTCAACC
GGGAGATGTGCCCTGGTGGACAACATCGCCCTGTGGATGACTGAGTACCTGAACCGGCACCTGCACAC
CTGGATCCAGGATAACGGAGGCTGGATGCCTTTGTGAACTGTACGGCCCCAGCATGCGGCCTCTGTTT
GATTTCTCCTGGCTGTCTGAAGACTGTCTCAGTTTGGCCCTGGTGGGAGCTTGATCACCTGGGTG
CCTATCTGGGCCACAAG

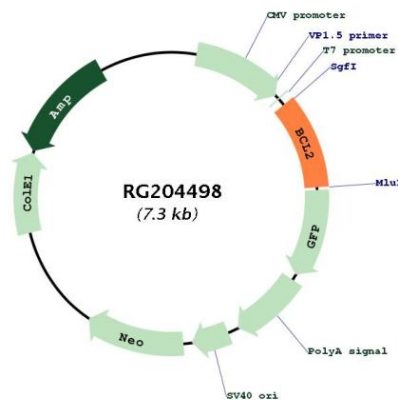
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_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