

## Product datasheet for **RG229518**

### **BLCAP (NM\_001167820) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BLCAP (NM\_001167820) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BLCAP  
**Synonyms:** BC10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229518 representing NM\_001167820  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTATTGCCTCCAGTGGCTGCTGCCGCTCCTCCTCATCCCCAAGCCCTCAACCCCGCCCTGTGGTTCA  
 GCCACTCCATGTTTCATGGGCTTCTACCTGCTCAGCTTCTCCTGGAACGGAAGCCTTGACAATTTGTGC  
 CTTGGTTTTCCTGGCAGCCCTGTTCTTATCTGCTATAGCTGCTGGGGAACTGTTCTGTACCACTGC  
 TCCGATCCCCGCTTCCAGAATCGGCGCATGATCCCGCGTTGTGGGCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG229518 representing NM\_001167820  
 Red=Cloning site Green=Tags(s)  
 MYCLQWLLPVLLIPKPLNPALWFSMSFMGFYLLSFLLEKPKPTICALVFLAALFLICYSCWGNCFLYHC  
 SDSPLPESAHDPGVVGT

TRTRPLE - GFP Tag - V

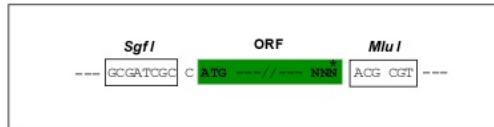
**Restriction Sites:** SgfI-MluI



[View online »](#)

## Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI  
 CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGAGATCTGCCGCCGATCGCCGCGCCAGATCT  
 HindIII NheI RsrII MluI NotI XhoI GFP Tag  
 CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---  
 T R T R P L E M E S D - - -  
 --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT  
 - - E E R V Stop

ACCN: NM\_001167820

ORF Size: 261 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).

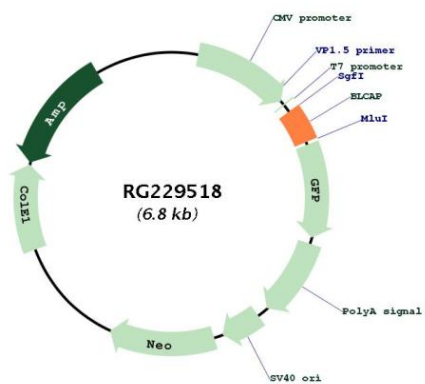
Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.  
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.  
3. Close the tube and incubate for 10 minutes at room temperature.  
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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\\_001167820.1](#), [NP\\_001161292.1](#)

RefSeq Size: 2216 bp

RefSeq ORF:	264 bp
Locus ID:	10904
UniProt ID:	<a href="#">P62952</a>
Cytogenetics:	20q11.23
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a protein that reduces cell growth by stimulating apoptosis. Alternative splicing and the use of alternative promoters result in multiple transcript variants encoding the same protein. This gene is imprinted in brain where different transcript variants are expressed from each parental allele. Transcript variants initiating from the upstream promoter are expressed preferentially from the maternal allele, while transcript variants initiating downstream of the interspersed NNAT gene (GeneID:4826) are expressed from the paternal allele. Transcripts at this locus may also undergo A to I editing, resulting in amino acid changes at three positions in the N-terminus of the protein. [provided by RefSeq, Nov 2015]

## Product images:



Circular map for RG229518