

Product datasheet for **RC229515**

BLCAP (NM_001167821) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BLCAP (NM_001167821) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BLCAP
Synonyms: BC10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC229515 representing NM_001167821
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATTGCCCTCCAGTGGCTGCTGCCCGTCTCCTCATCCCCAAGCCCTCAACCCCGCCCTGTGGTTCA
GCCACTCCATGTTTCATGGGCTTCTACCTGCTCAGCTTCTCCTGGAACGGAAGCCTTGACAATTTGTGC
CTTGGTTTCTGCGAGCCCTGTTCTTATCTGCTATAGCTGCTGGGAAACTGTTCTGTACCACTGC
TCCGATCCCCGCTTCCAGAATCGGCGCATGATCCCGCGTTGTGGGCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229515 representing NM_001167821
Red=Cloning site **Green**=Tags(s)

MYCLQWLLPVLLIPKPLNPALWFSHSMFMGYLLSFLLEKPKPTICALVFLAALFLICYSCWGNCFLYHC
SDSPLPESAHDPGVVGT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2939_a09.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM 001167821

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001167821.1](#), [NP_001161293.1](#)

RefSeq Size: 2046 bp

RefSeq ORF: 264 bp

Locus ID: 10904

UniProt ID: [P62952](#)

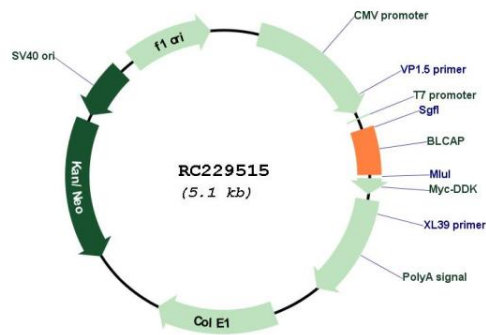
Cytogenetics: 20q11.23

Protein Families: Transmembrane

MW: 9.9 kDa

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 RC229515