

## Product datasheet for **RC208259**

### **BLCAP (NM\_006698) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BLCAP (NM\_006698) 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:** >RC208259 representing NM\_006698  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATTGCCCTCCAGTGGCTGCTGCCCGTCTCTCATCCCCAAGCCCCTCAACCCCGCCCTGTGGTTCA  
GCCACTCCATGTTTCATGGGCTTCTACCTGCTCAGCTTCTCTCGAACGGAAGCCTTGACAATTTGTGC  
CTTGGTTTTCTGGCAGCCCTGTTCTTATCTGCTATAGCTGCTGGGAACTGTTTCTGTACCACTGC  
TCCGATCCCCGCTTCCAGAATCGGCGCATGATCCCGCGTTGTGGGCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC208259 representing NM\_006698  
**Red=Cloning site Green=Tags(s)**  
MYCLQWLLPVLLIPKPLNPALWFSMSFMGFYLLSFLLEKRPCTICALVFLAALFLICYSCWGNCFLYHC  
SDSPLPESAHDPGVVGT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg2939\\_a09.zip](https://cdn.origene.com/chromatograms/mg2939_a09.zip)

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_006698

**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\\_006698.4](#)

**RefSeq Size:** 2057 bp

**RefSeq ORF:** 264 bp

**Locus ID:** 10904

UniProt ID: [P62952](#)

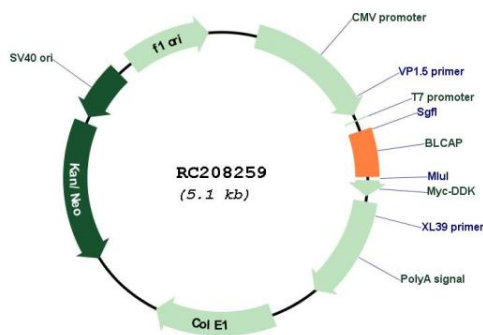
Cytogenetics: 20q11.23

Protein Families: Transmembrane

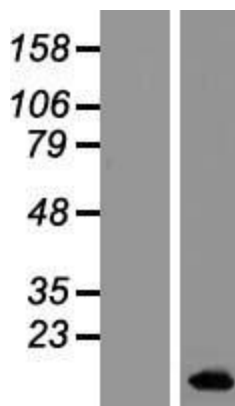
MW: 9.7 kDa

**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]

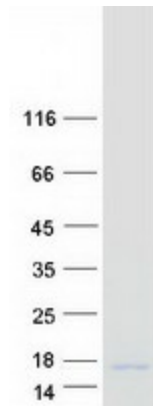
**Product images:**



Circular map for RC208259



Western blot validation of overexpression lysate (Cat# [LY416478]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208259 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BLCAP protein (Cat# [TP308259]). The protein was produced from HEK293T cells transfected with BLCAP cDNA clone (Cat# RC208259) using MegaTran 2.0 (Cat# [TT210002]).