

Product datasheet for SC115959

BLCAP (NM_006698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BLCAP (NM_006698) Human Untagged Clone
Tag:	Tag Free
Symbol:	BLCAP
Synonyms:	BC10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115959 sequence for NM_006698 edited (data generated by NextGen Sequencing)

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ATGTATTGCCTCCAGTGGCTGCTGCCCGTCTCCTCATCCCCAAGCCCCTCAACCCCGCC
CTGTGGTTCAGCCACTCCATGTTTCATGGGCTTCTACCTGCTCAGCTTCTCCTGGAACGG
AAGCCTTGACAAATTTGTCCTTGGTTTTCTGGCAGCCCTGTTTCCTTATCTGCTATAGC
TGCTGGGAAACTGTTTCTGTACCACTGCTCCGATTCCCGCTTCCAGAATCGGCGCAT
GATCCCGCGTGTGGGCACCTAA
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Clone variation with respect to NM_006698.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006698 unedited
CTTCGGGATTTTGTNAATCACGACTTCACTATAGGGCGGCCGCGCATTCCGGCACGAGGCA
TACGGCGACAGTGGCGGGCGCCATGGCAGGGCTTGCAGGATCCCTGCTGCCTTGGTGA
TCCCGGGCTGACAGCCAGAGAGCACAGCGGCTCATCTCCTGGAGAGTGAGGGTTGAAGAA
AGCGGAGGGCAGCCGCTGCGCCCGCTGGCTCCCATTAGGTGGTTTCTGCAGCGGTGCC
CGGCAGCCTTGGTGAAGGCCCTGCCCGGCAGAGATCATGTATTGCCTCCAGTGGCTGCTG
CCCGTCTCCTCATCCCCAAGCCCCTCAACCCCGCCCTGTGGTTCATCCACTCCATGTTT
ATGGGCTTCTACCTGCTCAGCTTCTCCTGGAACGGAAGCCTTGCACAATTTGTGCCTTG
GTTTTCTGGCAGCCCTGTTCTTATCTGCTATAGCTGCTGGGAAACTGTTTCTGTCAC
CACTGCTCCGATTCCCGCTTCCAGAATCGGCGCATGATCCCGCGTGTGGGCACCTAA
CGGCCTGCCCTGTTAGCTTTCGAAGGACGAGAAGACGGGAGGGGAGGCATTGACATAGG
TCATAAAGCATTGGAGTTTCAAATCCCGCAGCCTCGCGGGTGTACATTCTGACGGCGC
CTTTTTGGCCTGTGATGTTTTATCCTTANCATGTGAATAATGGCACTGACCGGTGCTTTT
ATTGTAAGTCTATAGTCGTGGTGGTCTTGTGGTGTGTGTCTGTCCCCATCTAT
GTCCTGGCTGGCCGATGACCACCCCTCTCGCCTCATTACTGTGAGGAGTCTGGGTCCAT
CCTGGTCAGCTGCCCCATGTGACCTGGGCGAGATAAAATGCCAGTCTCATTGTACCTCTG
TGACCCCTCTGTGAGGTCTNCTTCTTCCAGAATGTACTGACTCCTCATCCC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006698 unedited CTTCCAGGCCAGAGAGGCCTGGGGAGGGTACAGGTGCCCCGGATCTGTCTAGAAACAGCT ATGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAAAGTTTATAAAGC TTTATTAACATTTCAAACAGCTGTGCAACGAACACACCAATAAAAGCTCTAGAATAGC AGTCCAGACGTTTACAAGTATGGCCTCACAGTCCCATTCCCTAGATGGACTGCCTCCAG TTCTGTTCTCTGCCTGGCCCATCTCTTTCCCCTCAGGCAAGAGAGAGATGGATGGATC AGACTGAAAGGACAGGCATGCTGATCTCCAGCAGGCAGGGGCCAGGAGAAAAGTCTCGTTT GCCAACACTTGTACTGAAGCGCAGAAAAAGCAGCAAGTGACAGTCACAAAGTCTTCCTG GGTATTCTTCATAACGTACAGTCTATATGCGCAGGAACGAAGAAGCTCCTGGCGGGAGGA TGATGGCCACTGCTCCCCTCTGTCTTGTCTGAACCACTCGGAGTCCAGTGGTGTGGTC ACTCTGCAATCCCATGCTAAATAAAAAGTGTAGCGGCACCTACCATATATAGCTAGCTA TTGCTAAACCTCAAAATCAGACCACGTTTCGATAAAGCTTCTTTAAAAGGAATATACACAT GGGTATTTGTACACACACACACAGGGCACACCAAAAAATCCAAACTCTATCAAGGGG ATCAAAGGCCGTTACGAACACACAGGTACTCTCCACTCCTCAGCTGGGGGGACTGCTAGA ACTACGTGACACACCTACTTCATGCTGCAAGCATGCCACGGAACCAATGAGCCCTTTT TGGGCACANTTGAAGCANNNGAGAAGGCAAGGAATTNGGGTGTGGCCGGGAAACTGAGC CAGAACCAGTGAGACACTNCTTTTGTGCTCTCTAAAAGGAAGGGAGAAGTGGAAATTGGC ATACGAAAAATTTTTTGTACTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_006698
Insert Size:	2140 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_006698.2 , NP_006689.1
RefSeq Size:	2057 bp
RefSeq ORF:	264 bp
Locus ID:	10904
UniProt ID:	P62952
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]

Transcript Variant: This variant (1, also known as V1a) is the predominant transcript. This variant may be expressed predominantly from the maternal allele in brain (PMID:18836209). Variants 1 to 7 all encode the same protein.