

Product datasheet for RC226423

BCOR (NM_001123384) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BCOR (NM_001123384) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BCOR
Synonyms: ANOP2; MAA2; MCOPS2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC226423 representing NM_001123384
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGCTCTCAGCAACCCCCCTGTATGGGAACGTTACAGCTGGATGAACAGCGAGAGGGTCCGCATGTGTG
 GGGCGAGCGAAGACAGGAAAATCCTTGTAAATGATGGTGACGCTTCAAAGCCAGACTGGAAGTGGGGA
 AGAGAATCCCTTGAACCACAACGTGGTGGATGCGAGCACGGCCATAGGATCGATGGCCTGGCAGCACTG
 AGCATGGACCGCACTGGCCTGATCCGGGAAGGGCTGCGGGTCCCGGAAACATCGTCTATTCTAGCTTGT
 GTGGACTGGGCTCAGAGAAAGGTCGGGAGGCTGCCACAAGCACTTAGGTGGCCTTGGGTTTTCTCGGA
 AAGAAATCCAGAGATGCAGTTCAAACCGAATACACCCGAGACAGTGGAGGCTTCTGCCGCTCTGGAAAA
 CCCCCAATGGCTTCAGTGCTATATACAAAACACCGCCTGGAATACAAAAAGTGTGTAGCCACAGCAG
 AAGCGCTGGGCTTGACAGGCTGCCAGCGACAAAACAGAGCCCTCTCAACATCAATGGTGTAGTTATCT
 GCGGCTGCCCTGGGTCAATCCTTACATGGAGGGTGCCACGCCAGCCATCTACCCTTCTCGACTCGCCA
 AATAAGTATTCAGTGAACATGTACAAGGCTTGCTACCTCAGCAGTCTACAGCTTGCCAGCCGCTGT
 ATTCTCCAGTCTGCACCAATGGGAGCGCTTTCTACCTGCCACCTCACTACGTCGTCGCCACAT
 CCCATCGTCCTTGGCATACCCATGAGGCTCTCGACACCTTCCGGCTCCCGCCATCCCGCCTCTCGTC
 CATTGCGCAGACAAAAGCCTCCCGTGGAAGATGGGCGTCAGCCCTGGGAATCCTGTTGATTCCCACGCC
 ATCCTCACATCCAGAACAGTAAGCAGCCAGGGTTCCTCTGCCAAGGCGGTACCAGTGGCCTGCCGGG
 GGACACAGCTCTCCTGTTGCCCCCTCGCTCGGCCGTACCCCGAGTCCACCTTCCCACCCAGCCTGCT
 GCAGACACCTACTCGGAGTTCCACAAGCACTATGCCAGGATCTCCACCTCTCCTTCAAGTGGCCTGTCAA
 AGCCATACATGACAGTTAGCAGCGAGTTCGCCGCGCCAGGCTCTCCAATGGCAAGTATCCCAAGGCTCC
 GGAAGGGGGCAAGGTGCCAGCCAGTCCCGGGCATGCCGGAAGACAGCGGTTCAAGACAGAAAAGAC
 GGCAGCTCACCTCTGTTGGAGAAGCAGACCGTTACCAAAGACGTACAGATAAGCCACTAGACTTGT
 CTTCTAAAGTGGTGGATGTAGATGCTTCCAAGCTGACCACATGAAAAAGATGGCTCCCACGGTCCCTGGT
 TCACAGCAGGGCTGGAAGTGGCTTAGTGCTCTCCGGAAGTGAGATTCCGAAAGAAACACTATCTCTCCA
 GAAATGGTTGTGCTATCTATAGATCTGAAATCATCAGCACTGCTCCCTCATCTGGGTGGTCCCGGGC



[View online »](#)

CAAGTCTAACGAAGAGAACAATGGCAAAAAGCATGTCGCTGAAAAACAAGGCATTGGACTGGGCGTACC
 ACAGCAGCGGAGTTTCATCATGCCCGCGCATGGGCGGCACCGATGCTGTCATCACTAACGTTTCAGGGTCA
 GTGTGAGTGGGGCCGCCAGCCTCCGCATCACCCGCCCCCAATGCCAATGCAGATGGCACAAAAACCA
 GCAGGAGCTCTGTAGAAACCACACCATCCGTTATTCAGCACGTGGGCCAGCCCCGGCCACTCTGCCAA
 GCACAGTAGCAGCACCAGCAGCAAGGGCGCCAAAGCCAGCAACCCAGAACCGAGTTTCAAAGCAAACGAG
 AACGGCCTTCCACCAAGCTCTATATTTCTGTCTCCAAATGAGGCATTGAGTCCCCACCAATTCCCTACC
 CCAGGAGTTACCTCCCTTACCCAGCCCCGAGGGCATTGCTGTAAGTCCCCTCCTTACATGGCAAAGG
 ACCTGTCTACCCTCACCCAGTTTTGTACCCAATGGCAGTCTGTTTCTGGGCACCTTGCCCAAAGCCT
 GGGCTGCCTATGGGCTTCCACCGGCCGTCCAGAGTTTGTGACCTACCAAGATGCCCTGGGGTTGGGCA
 TGGTGCATCCCATGTTGATACCACACACGCCCATAGAGATTACTAAAGAGGAGAAACCAGAGAGGAGATC
 CCGGTCCCATGAGAGAGCCGTTACGAGGACCCAAACCCTCCGGAATCGGTTTTCCGAGATTTTGAAACT
 AGCAGCACCAAGTTACATCCAGATGTCCCACCGACAAGAACCCTAAAGCCGAACCCCACTGGAATCAAG
 GGAAGACTGTTGTCAAAGCGACAAGCTGTCTACGTAGACCTTCTCCGAGAAGAACCAGATGCTAAAAC
 TGACACAAACGTGTCAAACCCAGCTTTCAGCAGAGAGTGTGGCCAGAGCGCTGAGCCCCCAAGCCC
 TCAGTTGAGCCGGCCCTGCAGCAGCACCCTGATTTTCATCGCCCTGAGAGAGGAGTTGGGGCGCATCAGTG
 ACTTCCAGGAACTTATACTTTCAAACAGCCAGTCTTACCCTAAGCAAGGACAGTGTCTGGCAGGTAC
 CAACAAAGAGAACCCTAGGGTTGCCAGTCTCGACTCCATTCTGGAGCCACCTCTGGGGAGCGATGGCCCT
 GCTGTAACTTTTGGTAAAACCAAGAGGATCCCAAACATTTTGTGTGGGCAAGTCCCAACCAAGTGTGG
 ATGTGACCCCCACCTATACCAAAGATGGAGCTGATGAGGCTGAATCAAATGATGGCAAAGTTCTGAAACC
 GAAGCCATCTAAGCTGGCAAAGAGAATCGCAACTCAGCGGGTACGTGGGTGACCGATTCAAATGTGTC
 ACTACCGAAGTGTATGCAGATTCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG
 GCTTCTCAGAGTTGGAGATGAAAGAAAGAGAAGGTGGCCACCCAGCAACCAAGACTCCGAGATGTGCAA
 ATTCAGCCCGACTGGGAAAGTTGAAAGGAAATCAGGACAAAAAGCCAAAGTCCGATCACCTCCAGTGGAG
 GAGGCCATTGCAGAACAGAACGAAAGTGAGAGATGCGAGTATAGTGTGGAAACAAGCACCGTATCCCT
 TTGAAGCCCCAGAGGACAAGATCTTCTGTGGAGAAGTACTTTGTGGAGAGGCAGCCTGTGAGCGAGCC
 TCCCGCAGACCAGGTGGCCTCGGACATGCCTCACAGCCCCACCCTCCGGGTGGACAGGAAACGAAAGTC
 TCAGGTGACAGCAGCCACTGAGACCTGCGGAGGAGGTGCCAGAGGACCCTCTGCTGAAAGCCAAAC
 GCCGACGAGTCTCTAAAGGGCTCCATCTAAAAAACAACGCCACTTGTGCACCTTAGAGAACGATGGGA
 GCAGCAGGTGTCCGACAGATGGCAAACCTGGCCGGCAAAGCAGGAAGGAAGTACCCAGGCCACTCAG
 CCTGAGGCCATTCTCAGGGACTAACATCACTGAAGAGAAACCTGGCAGGAAAAGGCAGAGGCCAAAG
 GCAACAGAAGCTGGTCGAAGAGTCTCTTAAACCCAGTGACAATGAACAAGGCTTGCCTGTGTTCTCCGG
 CTCTCCGCCCATGAAGAGTCTTTCATCCACCAGTGCAGGCGGCAAAAAGCAGGCTCAGCCAAGCTGCACA
 CCAGCCTCCAGGCCCTGCCAAACAGCAGAAAATTAAGAAAACCAGAAAGACAGATGTGCTGTGTGCAG
 ACGAAGAAGAGGATTGCCAGGCTGCCTCCCTGCTGCAGAAATACACCGACAACAGCGAGAAGCCATCCGG
 GAAGAGACTGTGCAAAACCAACTTGTATCCCTCAGGAGTCCAGGCGGGGATTGCCACTGACAGGGGAA
 TACTACGTGGAGAATGCCGATGGCAAGGTGACTGTCCGGAGATTCAGAAAGCGGCCGAGCCAGTTCCG
 ACTATGATCTGTACCAGCAAGCAGGAGCCAAAGCCCTTCGACCCTTGCAGCAACTGCTACCAGCCTC
 CCAGTCCACACAGCTGCCATGCTCAAGTCCCCCAGGAGACCACCCAGTCTCGCCATGACCAGCCGAA
 GCACGGAGACTTATTGTCAATAAGAAGCGTGGCAGAGCCCTTCTGCAGCGGGCAGCCAGGCTTGGCTATG
 AGGAAGTGGTCCGTACTGCTTAGAGAACAAGATTTGTGATGTAATCATCGGGACAACGAGGTTACTG
 CGCCCTGCATGAAGCTTGTGCTAGGGGCTGGCTCAACATTGTGCGACACCTCCTTGAATATGGCGCTGAT
 GTCAACTGTAGTGCCAGGATGGAACAGGCTCTGCACGATGCTGTTGAGAACGATCACTTGGAAATTG
 TCCGACTACTTCTCTTATGGTGTGACCCACCTTGGCTACGTACTCAGGTAGAACCATCATGAAAAT
 GACCCACAGTGAAGTATGGAAGGTTCTTAACAGATTATTTAAATGACCTCCAGGTCGCAATGATGAT
 GACGCCAGTGGCACTTGGACTTCTATGGCAGCTCTGTTTGTGAACCAGATGATGAAAGTGGCTATGATG
 TTTTAGCCAAACCCAGGACCAGAAGACCAGGATGATGATGACGATGCCTATAGCGATGTGTTGAATT
 TGAAATTTTCCAGAGACCCCTTACCCTGTTATAACATCCAAGTATCTGTGGCTCAGGGGCCACGAAAC
 TGGCTACTGCTTTCGGATGCTCTTAAGAAATTGAAATGTCTCCGCATATTTCCGCTGCAATTTCCAA
 ACGTGGAAATTGTACCATTGCAGAGGCAGAAATTTATCGGCAGGTTTCTGCAAGTCTTGTCTCTTG
 CTCCAAAGACCTGGAAGCCTTCAACCCTGAAAGTAAGGAGCTGTTAGATCTGGTGGAAATTCACGAACGAA
 ATTCAGACTCTGCTGGGCTCCTCTGTAGAGTGGCTCCACCCAGTATCTGGCCTCAGACAACTACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226423 representing NM_001123384
Red=Cloning site Green=Tags(s)

MLSATPLYGNVHSMNSERVRMCGASEDRKILVNDGDASKARLELREENPLNHNVDASTAHRIDGLAAL
SMDRTGLIREGLRVPNGI VYSSLCGLGSEKGREAASTLGGGFSERNPEMQFKPNTPETVEASAVSGK
PPNGFSAIYKTPPGIQKSAVATAEALGLDRPASDKQSPLNINGASYLRPLWPNPYMEGATPAIYPFLDSP
NKYSLNMYKALLPQQSYSLAQPLYSPVCTNGERFLYLPHPHYVGHIPSSLASPMRLSTPSASPAIPLV
HCADKSLPWKMGVSPGNPVDSHAYPHIQNSKQPRVPSAKAVTSGLPGDTALLPPSPRPSRVHLPTQPA
ADTYSEFHKHYARISTSPSVALSKPYMTVSSEFPAARL SNGKYPKAPEGGEGAQVPVGHARKTAVQDRKD
GSSPPLLEKQTVTKDVTDKPLDLSKVVDVDASKADHMKKMAPTVLVHSRAGSGLVLSGSEIPKETLSPP
GNGCAIYRSEIISTAPSSWVPGSPNEENNGKSMKLNKALDWAIPQQRSSSCPMMGGTDAVITNVS
VSSAGRPAASAPNANADGKTSRSSVETTPSVIQHVGQPPATPAKHSSSTSSKGAKASNPSPFKANE
NGLPPSSIFLSPNEAFRSPPIPYRSLYPYPAPEGIAVSPLSLHGKGPVYHPVLLPNGSLFPGLHAPK
GLPYGLPTGRPEFVTYQDALGLGMVHMLIPHTPIEITKEEKERRRSHERARYEDPTLRNRFSEILET
SSTKLHPDVPTDKNLKPNPNWNQKTVVKSDKLVYVDLLREPDADTDNTVSKPSFAAESVQGSAEPPK
SVEPALQQHRDFIALREELGRISDFHETYTFKQPVTVSKDVLAGTNKENLGLPVSTPFLEPLGSDGP
AVTFGKTQEDPKPFCVGSAPPSVDVTPYTKDGADEAESNDGKVLKPKPSKLAKRIANSAGYVGD
TTELYADSSQLSREQRALQRAMRFSELEMKEREGGHPATKDESEMCKFSPADWERLKGNDKPKSVTLE
EAIAEQNESERCEYSVGNKHRDPFEAPEDKDL PVEKYFVERQPVSEPPADQVSDMPHSPTLRVDRKRK
SGDSSHTETTAEEVPEDPLLKAKRRRVSKGLHPKKQRHLLHLRERWEQQVSAADGKPGRQSRKEVQATQ
PEAIPQGTNITEEKPRKRAEAKGNRSWSEESLKPSDNEQGLPVFSGSPMKSLSSTSAGGKKAQPS
PASRPPAKQQKIKENQKTDVLCADDEEDCQAASLLQKYTDNSEKPSGKRLCKTKHLIPQESRRGLPLTGE
YYVENADGKVTVRRFRKRPESSDYDLSPAKQEPKPFDRLLQQLLPASQSTQLPCSSSPQETTQSRP
ARRLIVNKNAGETLLQRAARLGYEEVVL YCLENKICDYNHRDNAGYCALHEACARGWLNI VRHLL
VNCSAQDQTRPLHDAVENDHLEIVRLLLSYGADPTLATYSGRITMKMTHSELMEKFLTDYLDLQGRND
DASGTWDFYGSVCEPDESVDYDLANPPGPEQDDDDA YSDVFEFEFSETPLPCYNIQVSVAGQPRN
WLLLSDVLKCLKMSSRIFRCNFPNVEIVTIAEAEFYRQVSASLLFSCSKDLEAFNPESKELLDLVEFTNE
IQTLGSSVEWLHPSDLASDNYW

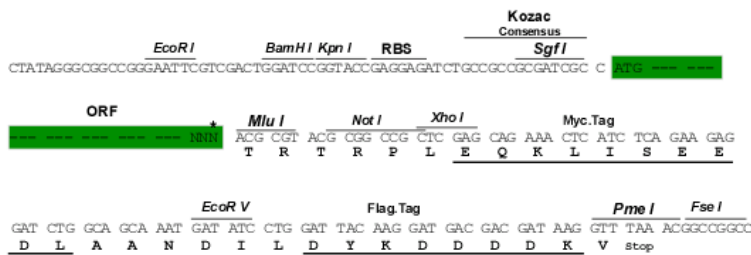
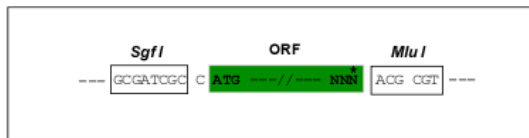
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

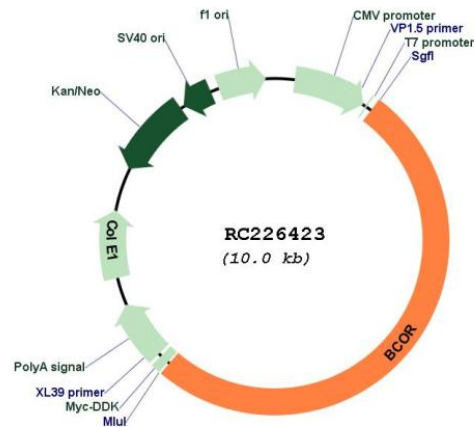
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001123384

ORF Size: 5109 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:	<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_001123384.1, NP_001116856.1</u>
RefSeq ORF:	5112 bp
Locus ID:	54880
UniProt ID:	<u>Q6W2J9</u>
Cytogenetics:	Xp11.4
Protein Families:	Transcription Factors
MW:	186.1 kDa
Gene Summary:	The protein encoded by this gene was identified as an interacting corepressor of BCL6, a POZ/zinc finger transcription repressor that is required for germinal center formation and may influence apoptosis. This protein selectively interacts with the POZ domain of BCL6, but not with eight other POZ proteins. Specific class I and II histone deacetylases (HDACs) have been shown to interact with this protein, which suggests a possible link between the two classes of HDACs. Several transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene is found on chromosome Y.[provided by RefSeq, Jun 2010]