

Product datasheet for MC224847

Bcor (NM_175046) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcor (NM_175046) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcor
Synonyms:	2900008C10Rik; 5830466J11Rik; 8430401K06Rik; BcorR; D930024N20Rik; mKIAA1575
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224847 representing NM_175046 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTTCTGCAACCCCTCTGTATGGGAACGTTACAGCTGGATGAACAGCGAGAGGGTCCGCATGTGTG
GAACAAGTGAAGACAGGAAAATTCCTGTGAATGATGGCGACGCTTCAAAGCCAGGCTGGAGCTGAGGGA
GGAGACTCCCCTGAGTCACAGCGTGGTGGATACCAGTGGAGCCCATCGGATCGATGGCCTGGCAGCACTG
AGCATGGACCGCACAGGCCTCATCCGGGAAGGGCTCCGGGTCCCTGGAAACATCGTTTATCTGGCTTGT
GTGGATTGGGCTCAGAAAAGGTCGGGAGGCTACCCCAAGCTCTCTCAGTGGCCTTGGGTTTTCTCGGA
AAGAAATCCAGAGATGCAATTCAAACCGAATACTCCCGAGACAGTGGAGGCTTCTGCTGTCTGGAAAA
CCCCAAATGGCTTCAGTGCTATATACAAAACACCGCCTGGGATACAAAAGAGCGCTGTAGCTACAGCGG
AAAGCTTGGGTTTGGATAGGCCTGCCAGTGACAAAACAGAGCCCTCTCAACATCAATGGTGTAGTTACCT
GCGGCTGCCCTGGGTCAACCCTTACATGGAGGGGGCCACTCCAGCCATATACCCTTTCCTCGACTCGCCA
AATAAGTATTCAGTGAATATGTACAAGGCCTTGCTACCTCAGCAGTCTACGGCTTGGCCAGCCACTGT
ATTCTCCTGTCTGCACCAGTGGGAACGCTTCTCCTACCTGCCACCCCACTATGTCAACCCTCACAT
CCCCTCCTCCTGGCTTACCCATGAGGCTCTCCACACCTTCAGCCTCTGCGGCCATTCCACCTCTCGTC
CACTGCTCAGACAAAAGCCTCCCATGGAAGATGGGCGTCAACCCTGGGAACCCAGTAGATTTCCACAGTT
ACCCCCACATCCAAAACAGTAAACAGCCCCGGGTGACCTCTGCCAAGGCAGTCAATAGTGGCCTGCCAGG
GGACACAGCTCTCCTGTTGCCTCCTTACCTCGGCCCTCAGCCCGGGTCCACCTTCCAACCTCAGCCCGCT
GCAGAGACCTACTCCGAGTTCCACAAGCACTATCCAGGATCTCCACCTCTCCCTCAGTACCCTGACGA
AGCCATACATGACAGCCAATAGCGAGTTCTCTACATCCAGGCTGTCCAATGGCAAGTACCCCAAGGCTCT
AGATGGGGGCGACTGTGCTCAATCCATGCCTGGGCACACCCGGAAGACAACGGTTCAAGACAGAAAAGAT
GGGGGCTCACCACCTCTGTTGAAAAGCAGACCGTTACCAAAGATGTACAGACAACCCTTGACCTGT
CTTCTAAAGTGGTGGATGCGGACGCTTCCAAGGTGACCACATGAAAAGATGGCTCCACAGTCCCTGGT
TCACAGTCGGGCTGCAAGTGGCTTAGTGCTCTCTGGAAGTGAGATTCCGAAAGAAACACTATCTCCTCCA
GAAATGGATGTTCTATCTATAGATCAGAGATCATCAGCACTGCTCCCTCATCTGGGTGGTCCAGGGC



[View online »](#)

CAAGTCCTAATGAAGAGAACAATGGCAAAAGTCTGTCACTGAAAAACAAGGCTTTGGACTGGGCAATACC
GCAACAGCGGAGTTCTCGTGTCCCGCATGGGTGGCACAGATGCCGTGGTCACTAATGTTTCAGGGTCC
GTGTCCAGCTCAGGACGCCAGCCTCTGCATCACCAGCCCCAACGCCAACGCCAATGCAGATGGCACCA
AGACCAGCAGGAGCTCGGTGGATACCACGCCATCAGTCATCCAGCATGTGGGCCAGCCCTCATCCACGCC
TGCCAAGCACGGTGGCAGCACCAGCAGCAAGGGAGCCAAAGCCAAACCAGAACCAGCTTCAAAGCGAGT
GAGAATGGCCTCCCGCCAACTCAATATTTCTATCTCCAATGAAGCATTCAAGTCCCCTCTTTACATGGCAA
ACCCTAGGAGTTACCTCCCTACGCAGCACCAAGGCATCGTCTAAGTCCCCTCTTTACATGGCAA
AGGACCTGTGTATCCTCACCCAGTTTTGTTACCCAATGGCAGTCTGTTTCTGGGCACCTTGCCCCAAAG
CCTGGCCTGCCTTACGGCTGCATACGAGCAGGCCAGAATTTGTGACCTACCAAGATGCCCTGGGCTGG
GCATGGTCCATCCATGTTGATCCACACACGCCATTGAGATCAGAAAAGAGGAGAAGCCGGAGAGACG
CTCCCGTCCCATGAGAGAGCCGTTATGAGGACCCAACCCTCCGTAGCCGTTTTCTGAGATGTTGGAA
GCTAGCAGCACCAACTGCATCCAGAAGTCCCCTGACAAGAACCTGAAGCCAACTCTAGCTGGAATC
AAGGGAAGACTGGGGTCAAAGCGACAACTGGTCTACGTAGACCTTCTCCGAGAAGAAGCAGACACTAA
AACTGATGCAGGGGCACCAAAGCAGGCCTTGTAGCCGAGAATGTAGTCAAGGACACCGAGGCCACCAAG
CCCTCAGCTGACCCTGTGATCCAACAACGCCGTGAATTCATCTCCCTCAGAGAGGAGCTGGGCCGAATCA
CTGACTTCCATGAATCTTTCACCTTCAAACAGGCCTCAAGCCAGCCAGTGTTCAGCTTAGCAAGGATAG
TGGTGCAGCAGGAACCAAAAGAGAACCTGGGTGTGCAGGTAGCAACTCCATTCTTGGAGACAGCTCTG
GGCAGTGAGGGCCCTGTGTGACTTTTGGTAAAACCCAAGAGGATCCCAAACATTTTGTGTGGCGGTG
CCCCTCAAACATGGATGTACCCCGCCTATACCAAAGAAGGAAGTGTAGGGCCGAATCCAACGATGG
CAAAGTCTGAAACCAAGCCATCCAAGCTGGCAAAGAGAATTGCTAACTCGGCAGGTTATGTGGCGAC
CGATTCAAGTGTGTACCAACCGAAGTGTATGCAGATCCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
AGCGTGAATGATGCGCTTCTCAGAGTTGGAGATGAAAGAGAGAGAAGGTAGCCACCCAGCAACCAAAGA
CTCCGAGGTGTCAAATTCAGCCAGCCGACTGGGAAAGTTGAAAGGAAATCAGGAAAAGAGAAAGCAAAG
TCAGTCAACCCTGGAAGAGGCCATTGCGCAGCAGAATGACAGTGAGAGATGTGAGTATAGCACTGGAAACA
AACATGATCTCTTTGAAGCCCCAGAGGCAAAAGATCTTCTGTGGAAAAGTATTTCTTGGAGAGGCCACC
TGTGAGTGAGCCACCCAGTGACCAGGGGTGGTGGACACGCCACACAGCCCCACCCTCCGGCTAGACAGG
AAACGCAAACGTGTCAGGTGACAGCACCCACACTGAGACCCTGTGGAAAGAGCTAGCTGAGGACCCTCTGA
AAGCCAAGCGAAGACGGATCTCAAAGGGCTCCATCCTAAAAAGCAACGCCACTTGTGCACCTTAGAGA
ACGGTGGGAGCAGCAGGTGTGCGCAGCCGAGAGCAAACCTGGCCGGCAAAGCAGGAAGGAAGTGGCCAG
GCTGTTACGCTGAGGTACCTCCAGGGGACTAACATCACTGAAGAGAAGCCTGGCAGGAAAAAGGCAG
AGGCCAAAGGCAACAGAGGCTGGTCTGAAGAGTGCCTCAAATCCTGTGACAATGAGCAAGGCTTGCCTGT
GCTCTCAGGCTCTCCGCCATGAAGAGCCTTTCATCCACCAATGCAAGTGGCAAAAAGCAGACTCAGCCA
AGCTGCACGCCAGCCTCAAGGCTGCCTGCCAAACAGCAGAAAAATTAAGAAAGCCAGAAGACAGATGTGC
TGTGCACAGGGGAAGACGAGGATTGCCAGGCTGCCTCCCGCTGCAAAAATACACAGACAACATCGAGAA
GCCATCCGGGAAGAGACTGTGCAAAACCAAGCACTTGATACCTCAGGAGTCCAGGAGGAGCTTGCAGATC
ACAGGGCAGTACTATGTGGAGAACACTGACACTAAGATGACTGTGCGGAGATTGAGAAAACGACCTGAGC
CCAGTTCGGACTACGATTTGTACCACCAGCCAAGCAGGAGCCAAAGCCCTTTCAGCGTCTACAACAATT
GCTACCGGCCACCCAGGCCACCCAGCTGCCACGCTCAAATCTCCTCAAGAGACCACCCAGTCTCGCCCC
ATGCCGCCAGAAGCTCGGAGACTTATTGTCAATAAGAATGCTGGCAGACCCCTCTGCAGCGGCTGCC
GGCTAGGCTATGAGGAAGTGGTCTTATATTGCCTGGAGAACAAGTCTGTGATGTCAATCATCGAGACAA
TGCTGGCTACTGTGCTCTGCATGAAGCTTGCGCCAGGGATGGCTCAACATCGTGCGCCACCTCCTTGAA
TATGGCGTGTGATCAACTGCAGTGCACAGGATGGAACCAAGCCCTCTGCATGATGCTGTGGAGAATGACC
ACTTAGAAATTGTACGATTGCTTCTTCTATGGTGTGACCCTACTTTGGCCACATACTCAGGGAGAAC
CATCATGAAAATGACCCACAGTGAACCTTATGGAGAAGTTTTAACAGACTATTTAAATGACCTGCAGGGT
CGCAGTGAAGATGACACCAGCGCGCTTGGGAGTCTATGGCAGCTCTGTGTGTAACCAGATGACGAAA
GTGGGTACGATGTTTTGGCTAATCCCCAGGACCAGAAGACCCAGATGAGGAAGAGGATACCTATAGCGA
TTTGTGAGTTGAGTTGCTGAAAGCTCCCTCTGCGGTGTTATAACATCCAAGTGTCTGTGCTCAG
GGCCACGAAACTGGCTTCTGCTCTCAGACGTGCTCAAGAAGTTGAAAATGTCCTCCCGGATATTCGGTA
GCAATTTTCCAATCTGGAAATTGTACCATTGCAGAGGCGGAGTTTTACCGACAGGTCTCAACAAGTCT
CTTGTCTCCTGCCCAAAGACCTGGAAGCCTTCAATCCTGAAAGCAAGGAGCTGTTGGATCTGGTGGAA
TTCACCAATGAGCTCCAGACACTGCTGGCTCCTCTGTGGAGTGGCTCCACCCTAGTGACACGGGCCATG
AAAACACTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_175046

Insert Size: 5124 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:

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_175046.3](#), [NP_778211.2](#)

RefSeq Size: 6803 bp

RefSeq ORF: 5124 bp

Locus ID: 71458

UniProt ID: [Q8CGN4](#)

Cytogenetics: X A1.1

Gene Summary: Transcriptional corepressor. May specifically inhibit gene expression when recruited to promoter regions by sequence-specific DNA-binding proteins such as BCL6 and MLLT3. This repression may be mediated at least in part by histone deacetylase activities which can associate with this corepressor. Involved in the repression of TFAP2A; impairs binding of BCL6 and KDM2B to TFAP2A promoter regions. Via repression of TFAP2A acts as a negative regulator of osteo-dentiogenic capacity in adult stem cells; the function implies inhibition of methylation on histone H3 'Lys-4' (H3K4me3) and 'Lys-36' (H3K36me2) (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (d) lacks an exon and a segment in the CDS, as compared to variant a. The resulting isoform (d) lacks two internal segments, as compared to isoform a.