

## Product datasheet for MC224874

### Bcor (NM\_175045) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bcor (NM_175045) 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:	>MC224874 representing NM_175045 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTTTCTGCAACCCCTCTGTATGGGAACGTTACAGCTGGATGAACAGCGAGAGGGTCCGCATGTGTG  
GAACAAGTGAAGACAGGAAAATTCCTGTGAATGATGGCGACGCTTCAAAGCCAGGCTGGAGCTGAGGGA  
GGAGACTCCCCTGAGTCACAGCGTGGTGGATACCAGTGGAGCCCATCGGATCGATGGCCTGGCAGCACTG  
AGCATGGACCGCACAGGCCTCATCCGGGAAGGGCTCCGGGTCCCTGGAAACATCGTTTATCTGGCTTGT  
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GCGGCTGCCCTGGGTCAACCCTTACATGGAGGGGGCCACTCCAGCCATATACCCTTTCCTCGACTCGCCA  
AATAAGTATTCAGTGAATATGTACAAGGCCTTGCTACCTCAGCAGTCTACGGCTTGGCCAGCCACTGT  
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CAAGTCTAATGAAGAGAACAATGGCAAAAGTCTGTCACTGAAAAACAAGGCTTTGGACTGGGCAATACC  
 GCAACAGCGGAGTTCTCGTGTCCCGCATGGGTGGCACAGATGCCGTGGTCACTAATGTTTCAGGGTCC  
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 GAGAATGGCCTCCCGCCAACCTCAATATTTCTATCTCCAATGAAGCATTCAAGTCCCCTCTTTACATGGCAA  
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 AGGCCATTGCCGACCAGAATGACAGTGAGAGATGTGAGTATAGCACTGGAAAACAACATGATCTCTTTGA  
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 CAAGGCTGCCTGCCAAACAGCAGAAAAATTAAGAAAGCCAGAAGACAGATGTGCTGTGCACAGGGGAAGA  
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 GCCACCCAGCTGCCAGCTCAAATTCCTCAAGAGACCACCCAGTCTCGCCCATGCCGCCAGAAGCTC  
 GGAGACTTATTGTCAATAAGAATGCTGGCGAGACCCTCCTGCAGCGGGCTGCCCGCTAGGCTATGAGGA  
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 ATTGCTTCTTTCATGTTGCTGACCCTACTTTGGCCACATACTCAGGGAGAACCATCATGAAAATGACC  
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 CCAGCGGCGCTTGGGAGTCTATGGCAGCTCTGTGTGTGAACCAGATGACGAAAGTGGTACGATGTTTT  
 GGCTAATCCCCAGGACCAGAAGACCAGATGAGGAAGAGGATACCTATAGCGATTTGTTGAGTTTGAG  
 TTTGCTGAAAGCTCCCTCTTGCCGTGTTATAACATCCAAGTGTCTGTGCTCAGGGGCCACGAAACTGGC  
 TTCTGCTCTCAGACGTGCTCAAGAAGTTGAAAATGTCCTCCCGGATATCCGTAGCAATTTCCCAATCT  
 GGAAAATTGTCACCATGTCAGAGGCGGAGTTTTACCAGAGGCTCTCAACAAGTCTCTTGTCTCCTGCCCC  
 AAAGACCTGGAAGCCTTCAATCTGAAAGCAAGGAGCTGTTGGATCTGGTGGAAATCACCAATGAGCTCC  
 AGACACTGCTGGGCTCCTCTGTGGAGTGGCTCCACCCTAGTGACACGGGCCATGAAAACACTGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_175045

**Insert Size:** 5178 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\\_175045.3](#), [NP\\_778210.2](#)

**RefSeq Size:** 6857 bp

**RefSeq ORF:** 5178 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 (c) lacks a segment in the CDS, as compared to variant a. The resulting isoform (c) lacks an internal segment, as compared to isoform a.