

Product datasheet for **MR226654**

Bcor (NM_175046) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcor (NM_175046) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bcor
Synonyms:	2900008C10Rik; 5830466J11Rik; 8430401K06Rik; BcorR; D930024N20Rik; mKIAA1575
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR226654 representing NM_175046 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTTCTGCAACCCCTCTGTATGGGAACGTTACAGCTGGATGAACAGCGAGAGGGTCCGCATGTGTG
GAACAAGTGAAGACAGGAAAATCCTGTGAATGATGGCGACGCTTCAAAGCCAGGCTGGAGCTGAGGGA
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CAAGTCCTAATGAAGAGAACAATGGCAAAAGTCTGTCACTGAAAAACAAGGCTTTGGACTGGGCAATACC
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 CTTGTTCTCCTGCCCCAAAGACCTGGAAGCCTTCAATCCTGAAAGCAAGGAGCTGTTGGATCTGGTGGAA
 TTCACCAATGAGCTCCAGACACTGCTGGCTCCTCTGTGGAGTGGCTCCACCCTAGTGACACGGGCCATG
 AAAACTACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226654 representing NM_175046
Red=Cloning site Green=Tags(s)

MLSATPLYGNVHSMNSERVRMCGTSEDRKIPVNDGDASKARLELREETPLSHSVVDTSGAHRIDGLAAL
SMDRTGLIREGLRVPGNIYVYGLCGLGSEKGREATPSSL SGLGFSSERNPEMQFKPNTPETVEASAVSGK
PPNGFSAIYKTPPGIQKSAVATAESLGLDRPASDKQSPLNINGASYLRLPWVNPYMEGATPAIYPFLDSP
NKYSLNMYKALLPQQSYGLAQLYSPVCTSGERFLYLPPHYVNPHIPSSLASPMRLSTPSASAAIPPLV
HCSDKSLPWKMGVNPVDSHSYPHIQNSKQPRVTSKAVNSGLPGDTALLLPPSPRPSARVHLPTQPA
AETYSEFHKKHYPRISTSPSVTLTKPYMTANSEFSTSRLSNGKYPKALDGGDCAQSMFGHTRKTTVQDRKD
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GNGCSIYRSEIISTAPSSWVPGPSPNEENNGKSLSLKNKALDWAIPQQRSSSCPRMGGTAVVTNVSGS
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PGLPYGLHTRSREFVTYQDALGLGMVHPLIPHTPIEITKEEKERRSRSHERARYEDPTLRSRSEMSE
ASSTKLHPEVPTDKNLKPNSWNQKGTGVKSDKLVYVDLLREEADTKTDAGAPKAGLVAENVGQDTEATK
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GSEGPVTFGKTQEDPKPFVCGGAPPNMDVTPAYTKEGTDEAESNDGKVLKPKPSKLAKRIANSAGYVGD
RFKCVTTEL YADSSQLSREQRALQRAMRFSELEMKEREGSHPATKDSEVCKFSPADWERLKGNGEKKPK
SVTLEEAIADQNDSECEYSTGNKHDLFEAPEDKDLPEKDYFLERPPVSEPPSDQGVVDTPHSPTLRDR
KRKLSGDSTHTETA VEELAEADPLKAKRRRISKGLHPKKQRHLLHLRERWEQQVSAAESKGRQSRKEVAQ
AVQPEVTSQGTNIITEEKGRKKA EAKGNRGWSEESLKS CDNEQGLPVLGSGPPMKSLSSTNASGKKQTQP
SCTPASRLPAKQKIKESQKTDVLTGEDEDCQAASPLQKYTDNIEKPSGKRLCKTKHLIPQESRRSLQI
TGDYYVENTDTKMTVRRFRKRPEPSSDYDLSPPAKQEPKPFDRLLQQLPATQATQLPRNSPQETTQSRP
MPPEARLIVNKNAGETLLQRAARLGYEEVVL YLENKVCVNRHNDNAGYCALHEACARGWLNIVRHLL
YGADVNCSAQDTRPLHDAVENDHLEIVRLLLSYGADPTLATYSGRTIMKMTHELMKFLTDYLNLDLQ
RSEDDTSGAWEFYGSSVCEPDDESGYDVLANPPGPEPDDEEEDTYSDLFEFEFAESSLLPCYNIQVSVAQ
GPRNWLLLSVDLKKLKMSSRIFRSNFPNLEIVTIAEAEFYRQVSTSLLFSCPDL EAFNPESKELLDLVE
FTNELQTLGSSVEWLHPSDTGHENYW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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

MW: 187.2 kDa

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]