

Product datasheet for **RG213468**

BCOR (NM_017745) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCOR (NM_017745) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BCOR
Synonyms:	ANOP2; MAA2; MCOPS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213468 representing NM_017745 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTCAGCAACCCCCCTGTATGGGAACGTTACAGCTGGATGAACAGCGAGAGGGTCCGCATGTGTG
GGGCGAGCGAAGACAGGAAAATCCTTGTAAATGATGGTGACGCTTCAAAGCCAGACTGGAAGTGGGGA
AGAGAATCCCTTGAACCACAACGTGGTGGATGCGAGCACGGCCCATAGGATCGATGGCCTGGCAGCACTG
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GGAAATGGTTGTGCTATCTATAGATCTGAAATCATCAGCACTGCTCCCTCATCTGGGTGGTGCCCGGGC
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 GCCTTCAACCCTGAAAGTAAGGAGCTGTAGATCTGGTGAATTCACGAACGAAATTCAGACTCTGCTGG

GCTCCTCTGTAGAGTGGCTCCACCCAGTGATCTGGCCTCAGACAACTACTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG213468 representing NM_017745

Red=Cloning site Green=Tags(s)

MLSATPLYGNVHSMNSERVRMCGASEDRKILVNDGDASKARLELREENPLNHNVDASTAHRIDGLAAL
 SMDRTGLIREGLRVPGNIVYSSLGSLGSEKGREAAATSTLGGGFGSSERNPEMQFKPNTPETVEASAVSGK
 PPNGFSAIYKTPPGIQKSAVATAEALGLDRPASDKQSPLNINGASYLRPWPVNPYMEGATPAIYPFLDSP
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 TTEL YADSSQLSREQRALQMEGLQEDSILCLPAAYCERAMMRFSELEMKEREGGHPATKDESEMCKFSPAD
 WERLKGNDKPKSVTLEEIAEQNESERCEYSVGNKHRDPFEAPEDKDL PVEKYFVERQPVSEPPADQV
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 ADGKPGRQSRKEVTQATQPEAIPQGTNITEEKGRKRAEAKGNRSWSEESLKPSDNEQGLPVFSGSPPMK
 SLSSTSAGGKKQAQPSCAPASRPAPKQKIKENQKTDVLCADDEEDCQAASLLQKYTDNSEKPSGKRLCK
 TKHLIPQESRRGLPLTGEYYVENADGKVTVRRFRKRPEPSSDYDLSPAKQEPKPFDRLLQQLLPASQSTQL
 PCSSSPQETTQSRPMPPEARRLIVNKNAGETLLQRAARLGYEEVVL YCLENKICDYNHRDNAGYCALHEA
 CARGWLNIVRHLLLEYGADVNCQAQDGTPLHDAVENDHLEIVRLLL SYGADPTLATYSGRTIMKMTSEL
 MEKFLTDYLNLDLQGRNDDASGTWDFYGSVCEPDDDESGYDVL ANPPGPEDQDDDDDDAYSDFEFEFSET
 PLLPCYNIQVVAQGPRNWL LLDVLLKMLKSSRIFRCNFPNVEIVTIAEAEFYRQVSASLLFSCSKDLE
 AFNPESKELLDLVEFTNEIQTLGSSVEWLHPSDLASDNYW

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017745

ORF Size: 5163 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:

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_017745.4](#), [NP_060215.4](#)

RefSeq Size: 6182 bp

RefSeq ORF: 5166 bp

Locus ID: 54880

UniProt ID: [Q6W2J9](#)

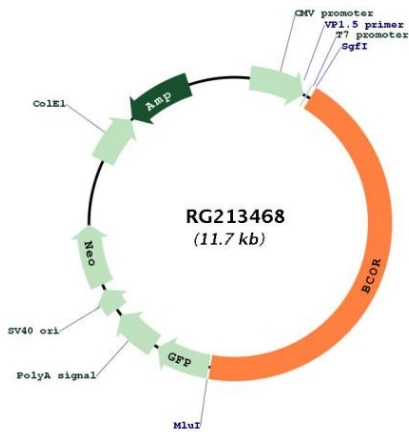
Cytogenetics: Xp11.4

Domains: ANK

Protein Families: Transcription Factors

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]

Product images:



Circular map for RG213468