

Product datasheet for **RR210088**

Birc2 (NM_021752) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Birc2
Synonyms:	Api2; rIAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RR210088 representing NM_021752
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAATAGCACAGTCTTGTCAAATTGGACAAAAGAAAACAAAGAAAAATGAAGTATGACTTTTCAT
 GTGAACTCTACAGAATGTCCACATACTCAGCTTTTCCAGGGGAGTTCCTGTCTCAGAGAGGAGTCTGGC
 TCGTGTCTGGCTTTTACTACACAGGTGTCAATGACAAGGTCAAGTGCTTCTGCTGTGGCCTGATGCTGGAC
 AACTGGAAACAAGGGGACAGTCCCAGTGAAGACACAGACAGTTCATCCCAGCTGCAGCTTTGTGCAGA
 CTTTGCTTTTCAGGCGGTCTGCAGTCTGCAGCTAAGAACACGTCTCCTGCGAAAAGTAGATTTGCACACTC
 GCTACCTCTGGAACAAGGTGGCATTATTCCAGCCTGCCCTCAAACCTCTCAATTCTAGAGCAGTGGAA
 GACTTCTCGTTGAGGATGAATCCCTGCAGCTATGCCATGAGTACAGAAGAGGCCAGGTTTCTTTCTTACA
 GTATGTGGCCATTAAGTTTCTGTCCCAGCAGAGCTGGCCAAAGCAGGCTTCTACTACACAGGGCTGG
 AGACAGGTGGCTGTTTTGCCTGTGGTGGGAACTGAGCAACTGGGAACCGAACGATGATCCTCTGTCA
 GAGCAGGAGACATTTTCCCAGTGTCCATTTCTGGAATACTTCAGAAACGCAGAGGTTTAGTGTAT
 CCAATCTCAGTATGCAGACACACTCTGCTCGGATGAGGACGTTTCTGTACTGGCCATCGAGTGTTCTTGT
 TCAGCCTGAGCAGCTTGAAGTGTGGATTTTATTATGTGGATCACAATGATGATGTCAAATGCTTTTGT
 TGTGATGGTGGCTTGAGATGTTGGGAACCGGAGATGACCCCTGGATAGAACATGCCAAATGGTTTCCAA
 GGTTGTGAGTTCTTGATACGGATGAAGGGTCAGGAGTTTGTGATGAGATTCAAGCTAGATATCCTCATCT
 TCTTGAGCAGCTGTTGTCACTTCAGACACCTCAGAAGAAGAAAATGCTGACCCCTCCAGTTGTGCATCTG
 GGCCCTGGAGAGAATTGGGAAGATGCAGTGATGATGAACACACCTGTGGTTAAAGCAGCCTTGGATATGG
 GCTTCAGTAGGAGCCTGGTGAACAGACAGGTTTACGCGACAGATCCTGGCCACTGGTGAAGTACAGGAC
 GGTCAGTGATATTGTCTCAGCACTTCTGAATGCTGAAGATGAGAGAAGAGAAGAGGAGAAGGAGAGACAG
 AGTGAAGAGACGGCATCAGGTGACTTGTGATTGATTGGAAGAATAGAATGGCCCTCTTCCAACAGTTGA
 CGTGTGTCTATCTATCCTGGATGATCTTCTTGAAGCCAGTGACTTACAAAGGAGGAACATGATATTAT
 CAGACAGAAAACACAGATACCTTACAAGCAAGAGAGCTCATCGACACCATCTTAGTCAAGGGAATGCT
 GCAGCCAGCGTCTTCAAAAACCTCTCTGAAGGAAGTCGACTCTACGCTATATGAACACTTATTGTGGAGA
 AGACGATGAAGTATATCCACAGAAGACGTTTTCAGGCTTGTGATTGGAAGAAGAGCTGCGGAGATTACA
 AGAAGAAGAACGTGTAAGTGTGATGGACAGAGAGGTCTCTATCGTTTTTCTTCTGTGGTCTCTG
 GTAGTCTGCCGGAATGTGCCCTTCCCTGAGAAAGTCCCCATCTGCAGGGGACAATTAAGGGACTG
 TCGGTACGTTTCTCTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210088 representing NM_021752
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MENSTVLNWTENKEMKYDFSCELYRMSYSAFPRGVPVSERSLARAGFYTGVDKVKFCFCCGLMLD
 NWKQGDSPTEKHRQFYPCSFVQTLSSGLQSAKNTSPAKSRFAHSLPLEQGGIHSSLPNPLNSRAVE
 DFSLRMNPCSYAMSTEEARFLSYSMWPLSFLSPAELAKAGFYTGPDVRVACFACGGKLSNWEPNDDPLS
 EHRRHFPHCPFLENTSETQRFVSNSMQTHSARMRTFLYWPSSVLVQPEQLASAGFYVDHNDYKFCF
 CDGGLRCWEPGDDPWIEHAKWFPRCEFLIRMGQEFVDEIQARYPHLLEQLLSTSDTSEEENADPPVVHL
 GPGENWEDAVMMNTPVVKAAALDMGFSRSLVRQTVQRQILATGENYRTVSDIVSALLNAEDERREEKERQ
 SEETASGDLSLIRKNRMALFQQLTCVPIILDDLLEASVLKEEHDIIRQKTQIPLQARELIDTILYKUNA
 AASVFNKSLKEVDSTLYEHLFVEKTMKYIPTEDVSGLSLEEQLRRLQEERTCKVCMDEVSIIVIPCGLH
 VVCRECAPSLRKCPICRGTIKGTVRTFLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021752

ORF Size: 1767 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:

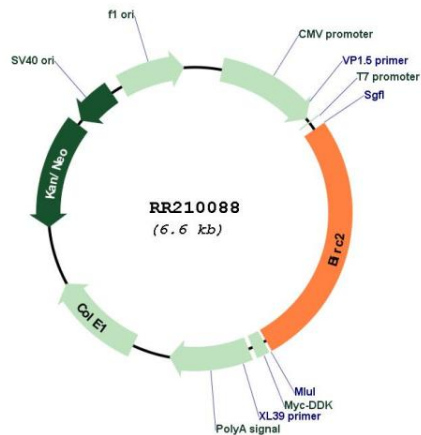
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021752.2](#), [NP_068520.2](#)

RefSeq Size:	2907 bp
RefSeq ORF:	1770 bp
Locus ID:	60371
Cytogenetics:	8q11
MW:	66.8 kDa
Gene Summary:	may play a role in regulation of apoptosis [RGD, Feb 2006]

Product images:



Circular map for RR210088