

Product datasheet for **RC240176**

BAI2 (ADGRB2) (NM_001294336) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BAI2 (ADGRB2) (NM_001294336) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BAI2
Synonyms: BAI2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC240176 representing NM_001294336
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAATACAGGTTGGATGGGCAAGGGACATAGGATGACCCAGCCTGTCCCCTTACTGTCTGTGA
 TTCTGTCCCTGCGCTGGCCACCGCTTCGACCCCGCCCCAGTGCCTGCTCTGCCCTGGCTCGGGTGT
 GCTCTACGGGCTTCTCGCTGCAGGACCTTTTCTACCATCGCTCGGGCTGCTCTGGACCTGGAG
 AACCTGACCCACCAAGTACTCCCTCTACCTGCGCTTCAACCGCAGGAGCAGGTGTGCGCACACTTTG
 CCCCCGCTGTGCCCTGGACCACTACCTGGTCAACTTACCTGCCTGCGGCTAGCCCCGAGGAGGC
 GGTGGCCAGGCGGATCAGAGGTGGGGCGCCAGAAGAGGAGGAGGCAGAGGCGGACGGGGTTGGAG
 CTGTGCAGCGGCTCAGGCCCTTACCTTCTGCACTTCGACAAGAACTTCGTGCAGCTGTGCCTGTCCG
 CTGAGCCCTCCGAGGCCCGCGCTGTGGCGCCGCTGCCCTAGCCTTCCGCTTGTGCGAGGTCTTGCT
 CATCAACAACAACAACCTAGCCAATTCACCTGTGGTGTGCTCTGCCGCTGGAGTGAGGAGTGTGGCCG
 GCTGCCGCGAGGGCTGCGGCTTTGCTCAGCCAGGCTGCAGTGCCTGGAGAGGCGGGGCGGCTCCA
 CCACCACCATCTCCAGGCCCTCTGTGCCACACCTGTCCAATGCCTGGTCCCGGGGGCCAGC
 CCCACCTGCTGAGGCCGATTTGCACTCGGGGAGCAGCAATGATCTGTTCAACAACCGAGATGAGATATGT
 GAGGAGCCGGAAGAGGAACCGAAAGTAAAACCCAGTGGCCGAGTCTGCAGATGACCTGGGCTATACA
 TGGCGCAGACAGGCGACCCGCGGCTGAGGAGTGGTCCCGTGGAGCGTGTGTTCCCTGACGTGTGGCA
 GGGTCTGCAGGTGCGGACCCGCTCCTGTGTGCTCCTCCCTATGGGACCTGTGCAGCGGCCCTGCGG
 GAGACCAGGCCCTGCAACAATTCAGCCACCTGCCAGTGCACGGCGTGTGGGAGGAGTGGGGTCTGGA
 GCCTGTGCTCCCGCAGCTGCGGGCGGGGTCCCGAGCCGGATGCGGACCTGCGTCCCCCAGCACGG
 CGGCAAGGCTGCGAGGGTCTGAGCTGCAGACTAAGCTCTGCAGTATGGCTGCCTGCCCGTGAAGGC
 CAGTGGTTAGAATGGGGTCCCTGGGGCCATGCTCCACGTCTGTCCAATGGGACCAACAGCGCAGCC
 GGAAGTGCAGCGTGGCGGCCAGCCTGGGCCACATGCACGGTGCCTCACTGACACCCGGAGTGCAG
 CAACCTCGAGTCCCGGCCACTGATAGCAAGTGGGGCCATGGAATGCGTGGAGCCTGTGCTCTAAGACG



[View online >](#)

TGTGACACAGGCTGGCAGCGCCGCTTCCGCATGTGCCAGGCCACGGGCACGCAGGGCTACCCCTGCGAGG
 GCACCGGAGAGGAGGTGAAGCCTTGTAGTGAGAAGAGGTGTCCAGCCTTCCATGAGATGTGCAGGGATGA
 GTACGTGATGCTGATGACGTGGAAGAAGGCAGCTGCTGGCGAGATCATCTACAACAAGTGCCCCCGAAT
 GCCTCAGGGTCTGCCAGCCGCCGCTGTCTCCTCAGTGCCCAAGGCGTGGCGTACTGGGGCTGCCAGCT
 TTGCTCGCTGCATCTCCCATGAGTACCGCTACCTGTATCTGTCACTTAGGGAGCACCTGGCCAAGGGGCA
 GCGCATGTGGCAGGCGAGGGCATGTGCGAGGTGGTGGCAGCCTGCAGGAGCTACTGGCCCGCGCACC
 TACTATAGTGGGACCTGCTCTTCTCTGTGGCATTCTGAGGAATGTCACTGACACCTTTAAGAGGGCCA
 CCTACGTGCCCTCGGCTGATGATGTGCAGCGCTTCTTCCAGGTGGTGAAGTTCATGGTGGATGCGGAAAA
 CAAGGAGAAGTGGGACGATGCTCAGCAGGTGTCCCTGGCTCTGTGCACCTGCTCCGTGTCGTGGAGGAC
 TTCATTACCTGGTGGGCGATGCTCTCAAGGCCTTCCAGAGCTCTCTGATTGTCACAGATAATCTAGTGA
 TCAGCATTAGCGAGAGCCCGTCTCAGCTGTGTCCAGTGACATCACGTTCCCATGCGGGGCCGCCGGG
 CATGAAGGACTGGGTGGGCACTCAGAGGACCGCCTTCTTCCCAAGGAGGTGCTCAGCCTCTCTCC
 CCAGGGAAGCCAGCCACATCTGGGGCAGCAGCCAGCCTGGCAGGGGAGGGGCCAGGAACGCTGCCTC
 CTGGCCAGGCCACTCCACCAGCGCCTCTCCAGCAGACCCTGATGAGTCTCTACTTTGTGATCGG
 TGCTGTACTCTACCGACCTTGGCCTCATCTGCCGCCTCCAGGCCCGCTGGCCGTACATCCCGG
 GTGATGACAGTACTGTGCGCCCCCTACCCAGCCTCCAGCTGAGCCCTCATCACTGTGGAGCTCTCT
 ACATCATCAATGGGACCACGGATCCCCATTGCGCCAGCTGGGACTACTCCAGAGCAGATGCCAGCTCAGG
 AGACTGGGACACTGAAAATTGCCAGACCCTGGAGACCCAGGCAGCTCACACCCGCTGCCAGTGCAGCAC
 CTGTCCACCTTTGCTGTACTAGCCAGCCGCCAAGGACCTGACCCTGGAGCTGGCGGGCTCCCCCTCGG
 TCCCCCTGGTGATCGGCTGTGAGTGTGTCATGGCGCTGCTCACCTGCTCGCCATCTATGCCGCTT
 TTGGAGTTTCATAAAATCTGAACGCTCCATCATCTTGTGAACCTTCTGCCTGTCCATCTTGGCATCAAC
 ATCCTGATCCTCGTGGCCAGTCCCGGTGCTGAGCAAGGGCGTGTGCACCATGACGGCTGCCTTCTGTC
 ACTTCTTCTTCTCCTCCTTTTGTGGTGTCTACCGAGCCTGGCAGTCTACTGGCTGTCAATTGG
 GCGGATGCGCACCCGCTCGTTTCGAAGCGCTTCTCTGCTGGCTGGGGTCTGCCTGCCCTGGTGGT
 GCCGTGCTGTTGGCTTTACCCGAACGAAAGGATACGGTACATCCAGCTACTGCTGGCTCTCCCTGGAGG
 GCGGCCTGCTCTACGCTTTGTGGGCCCTGCAGCCGTCATTGTCTGGTGAACATGCTCATCGGAATCAT
 CGTCTTCAACAAGCTCATGGCAGTGTGGCATCTCCGACAAATCCAAGAAGCAGAGGGCCGGGCTCA
 CTCTGGAGCTCTGCGTGGTGTGCCCTGCTGGCGCTCACCTGGATGTCTGCCGTCTGGCTATGACAG
 ACCGCCGTTCCGCTCTTCCAGGCCCTTTGCTGTCTCAACTCCGCGCAGGGCTTTGTCATCACTGC
 TGTGCACTGCTTCTGCGCCGAGAGTCCAGGATGTGGTGAAGTCCAGATGGGGGTGTGCCGGGCTGAT
 GAGAGCGAAGACTCCCCGACTCGTGTAAAGAACGGCAGCTGCAGATCCTGTGCACTTTGAAAAGGATG
 TGGATCTGGCTTGTCAAACAGTCTGTTCAAGGAGGTCAACACTTGAACCCGCTCCACCATCACGGGCAC
 ACTATCCCGCTGTCCCTGGATGAGGATGAGGAGCCAAAGTCTGCCCTGTTGGCCCTGAGGGCAGCCTC
 AGCTTCTCACCCTGCCTGGGAATATCCTGGTGCCATGGCAGCCTCACCAGGGCTGGGGGAGCCTCCGC
 CCCCACAGGAGGCCAACCTGTTACATGTGTGGGGAGGGTGGCCTGCGGCAGCTGGACCTCACATGGCT
 GCGGCCACTGAGCCAGGCTCTGAGGGAGACTACATGGTGTGCCCGGCGGACTTTGAGCTGCAGCCT
 GGGCGTGGGGTGGAGGTGGTGAAGTGCACCTGCCCCAGGCCGCGGAGGGGACCCCCGGCGAGCTGCCA
 AGACAGTGGCCACACTGAAGGCTACCCAGCTTCTGTCCGTGGACACTCGGGCTGGGGCTGGGCC
 TGCCTATGGATCTCTCCAGAATCCCTATGGAATGACCTTCAACCGCCACCGCCGACACCCAGCCCGC
 CAAGTGGCCGAGCCAGGGGAGCGCAGCCGACCATGCCTCGCACCGTGCCTGGCTTACCATGAAGATGG
 GCTCCCTGGAGCGAAAGAAATTACGGTATTGACACCTGGACTTTGAGGTGATGCACACCCGAAACGGCA
 TTCAGAATCTACCAGAGCTCAACCAGAAGTTCCACACTTTCGACCGCTACCGCAGCCAGTCCACGGCC
 AAGAGGGAGAAGCGGTGGAGTGTCTCGGGTGGGGCAGCCGAGCGGAGCGTGTGCACCGATAAGCCCA
 GCCCTGGGGAGCGCCAGCTTGTCCCAACATCGGCGCCATCAGAGCTGGAGCACCTTCAAATCTATGAC
 ACTGGGCTCGCTGCCCCCAAGCCCCGAGAACGGCTGACTCTGCACCGGGCAGCAGCTGGGAGCCACA
 GAACCACCGGATGGTACTTCCAGACAGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RC240176 representing NM_001294336
 Red=Cloning site Green=Tags(s)

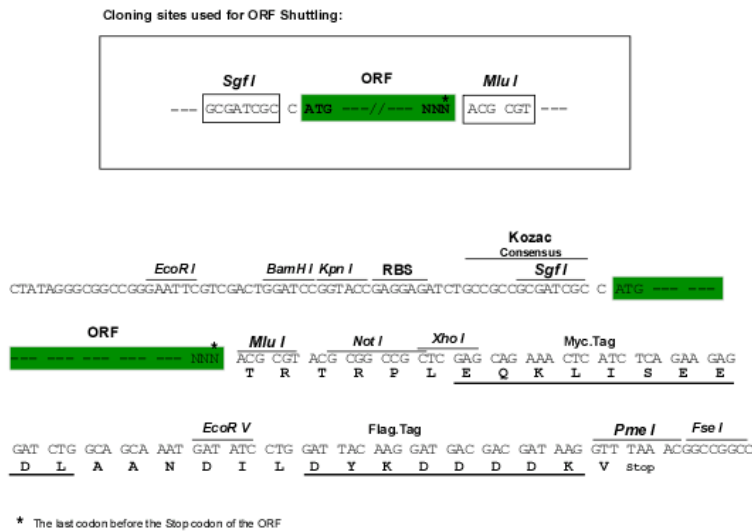
MENTGWMGKGRMTPACPLLLSVILSLRLATAFDPAAPSACSALASGVLYGAFSLQDLFPTIASGCSWTLE
 NPDPTKYSLYLRFNRQEQCAHFAPRLPLDHYLVNFTCLRPSPEEAVAQAESEVGRPEEEEEAEAAAGLE
 LCSGSGPFTFLHFDKNFVQLCLSAEPSEAPRLAPAALAFRFVEVLLINNNSQFTCGVLCRWSEECGR
 AAGRACGFAQPGCSCPGEAGAGSTTTTSPGPPAAHTLSNALVPGGPAPPAEADLHSGSSNDLFTTEMRYG
 EEPPEEPKVKTQWPRSADEPGLYMAQTGDPAAEEWSPWSVCSLTCGQGLQVRTRSCVSSPYGTLCSGPLR
 ETRPCNNSATCPVHGVWEEWGSWSLCSRSCGRGSRMRMTCVPPQHGGKACEGPELQTKLCSMAACPVGE
 QWLEWGPWGPCSTSCANGTQQRSRKCSVAGPAWATCTGALTDRECSNLECPATDSKWGPWNAWSLCSKT
 CDTGWQRFRMCQATGTQGYPCGTGEEVKPCSEKRCPAFHMCRCDEYVMLMTWKAAAGEIIYNKCPPN
 ASGSASRRCLLSAQGVAYWGLPSFARCSHEYRYLYLSLREHLAKQRMLAGEGMSQVVRSLQELLARRT
 YYSGDLLFSVDILRNVTDTFKRATYVPSADDVQRFFQVVSFVMDAENKEKWDDAQVSPGSHLLRVVED
 F IHLVGDALKAFQSSLIVTDNLVISIQREPVS AVSSDITFPMRGRGMKDWVRHSEDRLF LPKEVLSLSS
 PGKPATSGAAGSPGRGRPGTVPPGPGHSHQRLLPADPDESSYFVIGAVLYRTLGLILPPRPPLAVTSR
 VMTVTVRPPTQPPAEPLITVELSYIINGTTDPHCASWDYSRADASSGDWDTENCQTLETQAHTRCQCQH
 LSTFAVLAQPPKDLTLELAGSPSVPLVIGCAVSCMALLTL LAIYA AFWRFIK SERSIILLNFCLSLASN
 ILILVQGSRVLSKGVCTMTAAFLHFFFLSSFCWVLTEAWQSYLAVIGMRTRLVRKRFLCLGWLPALVV
 AVS VGFTRTKGYGTSSYCWLSLEGLLYAFVGPAAVIVLVNMLIGIIVFNKLMARDGISDKSKKQRAGAS
 LWSSCVLPLLLALTWMSAVLAMTDRRSVLFQALFAVFNSAQGFVITAVHCF LRREVDVVKCQMGVCRAD
 ESEDSPDCKNGQLQILSDFEKDVLACQTVLFKEVNTCNPSTITGTL SRLSLDEDEEPK SCLVGPESL
 SF SPLPGN I LVPMAASPLGEP PPPQE ANPVYMC GEGGLRQLDLTWLRPTEPGSEG DYMVLPRRTL SLQP
 GGGGGGEDAPRARPEGTPRRAAKTVAHTEGYPSFLSVDHSGLGLGPAYGSLQNPYGMTFQPPPTPSAR
 QVPEPGRSRTMPRTVPGSTMKMGSLERKKLRYSDLDFEVMHTRKRHSELYHELNQKFHTFDRYRSQSTA
 KREKRWSVSSGGAERSVCTDKPSPGERPSLSQHRRHQSWSTFKSMTLGLS LPPKPRERLTLHRAAAWEPT
 EPPDGFQTEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

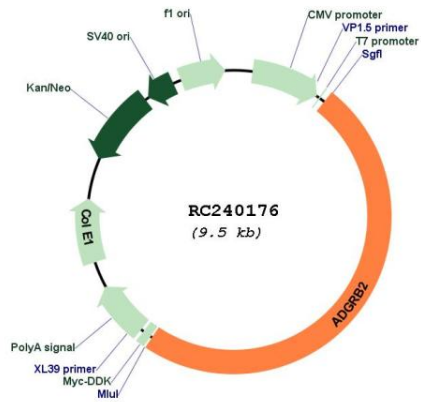


ACCN: NM_001294336

ORF Size: 4653 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:	<ol style="list-style-type: none">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_001294336.2
RefSeq Size:	5356 bp
RefSeq ORF:	4656 bp
Locus ID:	576
UniProt ID:	O60241
Cytogenetics:	1p35.2
Protein Families:	Druggable Genome, Transmembrane
MW:	169.6 kDa
Gene Summary:	This gene encodes a a seven-span transmembrane protein that is thought to be a member of the secretin receptor family. The encoded protein is a brain-specific inhibitor of angiogenesis. The mature peptide may be further cleaved into additional products (PMID:20367554). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

Product images:



Circular map for RC240176