

## Product datasheet for **SC318641**

### **BAI2 (ADGRB2) (NM\_001703) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BAI2 (ADGRB2) (NM\_001703) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** BAI2  
**Synonyms:** brain-specific angiogenesis inhibitor 2; Brain-specific angiogenesis inhibitor-2  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001703 edited  
GGATGGAGAGCAAGAGTTATGGAGAATACAGGTTGGATGGGCAAGGGACATAGGATGACC  
CCAGCCTGTCCCCTCTTACTGTCTGTGATTCTGTCCCTGCGCCTGGCCACCCTTCGAC  
CCCGCCCCAGTGCCTGCTCTGCCCTGGCCTCGGGTGTGCTCTACGGGGCCTTCTCGCTG  
CAGGACCTCTTTCTACCATCGCCTCGGGCTGCTCCTGGACCCTGGAGAACCCTGACCCC  
ACCAAGTACTCCCTCTACCTGCGCTTCAACCGCCAGGAGCAGGTGTGCGCACACTTTGCC  
CCCCGCTGCTGCCCTGGACCACTACCTGGTCAACTTTACCTGCCTGCGGCTAGCCCC  
GAGGAGGCGGTGGCCAGGCGGAGTCAGAGGTGGGGCGGCCAGAAGAGGAGGAGGAGGAG  
GCGGCAGCGGGTTGGAGCTGTGACGGCTCAGGCCCTTTACCTTCTGCACTTCGAC  
AAGAACTTCGTGACGCTGTGCCTGTGCGCTGAGCCCTCCGAGGCCCGCGCTGCTGGCG  
CCCGCTGCCCTAGCCTTCCGCTTTGTGCGAGGTCTTGCTCATCAACAACAACAACCTAGC  
CAATTCACCTGTGGTGTGCTCTGCCGCTGGAGTGAGGAGTGTGGCCGCGCTGCCGGCAGG  
GCCTGCGGCTTTGCTCAGCCAGGCTGCAGCTGCCCTGGAGAGGCGGGGGCCGGCTCCACC  
ACCACCACATCTCCAGGCCCTCCTGCTGCCACACCCTGTCCAATGCCCTGGTGCCCGGG  
GGCCAGCCCCACCTGCTGAGGCCGATTGCACTCGGGGAGCAGCAATGATCTGTTCA  
ACCGAGATGAGATATGGTGAGGAGCCGGAAGAGGAACCGAAAGTAAAACCCAGTGGCCG  
AGGTCTGCAGATGAGCCTGGGCTATACATGGCGCAGACAGGCGACCCGGCGGCTGAGGAG  
TGGTCCCCGTGGAGCGTGTGTTCCCTGACGTGTGGCAGGGTCTGCAGGTGCGGACCCGC  
TCCTGTGTGCTCCTCCCCCTATGGGACCCTGTGCAGCGGGCCCTGCGGGAGACCAGGCC  
TGCAACAATTGAGCCACCTGCCAGTGCACGGCTGTGGGAGGAGTGGGGTCTGGAGC  
CTGTGCTCCCGCAGCTGCGGGCGGGGTTCCCGAGCCGGATGCGGACCTGCGTGCCCCC  
CAGCACGGCGGAAGGCTGCGAGGGTCTGAGCTGCAGACTAAGCTCTGCAGTATGGCT  
GCCTGCCCGGTGGAAGGCCAGTGGTTAGAATGGGGTCCCTGGGGCCATGCTCCACGTCC  
TGTGCCAATGGGACCAACAGCGCAGCCGGAAGTGCAGCGTGGCGGGCCAGCCTGGGCC  
ACATGCACGGGTGCCCTCACTGACACCCGGGAGTGCAGCAACCTCGAGTGCCCGGCCACT  
GATAGCAAGTGGGGCCATGGAATGCGTGGAGCCTGTGCTAAGACGTGTGACACAGGC  
TGGCAGCGCCGCTCCGATGTGCCAGGCCACGGGCACGCAGGGTACCCTGCGAGGGC



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ACCGGAGAGGAGGTGAAGCCTTGTAGTGAGAAGAGGTGTCCAGCCTTCCATGAGATGTGC  
 AGGGATGAGTACGTGATGCTGATGACGTGGAAGAAGGCAGCTGCTGGCGAGATCATCTAC  
 AACAAAGTCCCCCGAATGCCTCAGGGTCTGCCAGCCGCCGTGTCTCCTCAGTGCCCAA  
 GGGCTGGCGTACTGGGGCTGCCAGCTTTGCTCGCTGCATCTCCATGAGTACCCTAC  
 CTGTATCTGTCACTTAGGGAGCACCTGGCCAAGGGGCAGCGCATGCTGGCAGGCGAGGGC  
 ATGTCGCAGGTGGTGGCAGCCTGCAGGAGCTACTGGCCCGCGCACCTACTATAAGTGGG  
 GACCTGCTCTTCTGTGGACATTTCTGAGGAATGCACTGACACCTTTAAGAGGGCCACC  
 TACGTGCCCTCGCTGATGATGTGCAGCGCTTCTCCAGGTGGTGGAGCTTATGGTGGAT  
 GCGGAAAACAAGGAGAAGTGGGACGATGCTCAGCAGGTGTCCCTGGCTCTGTGCACCTG  
 CTCCTGTCTGGAGGACTTCATCACCTGGTGGGCGATGCTCTCAAGGCCTTCCAGAGC  
 TCTCTGATTGTCACAGATAATCTAGTGATCAGCATTACAGCGAGAGCCCGTCTCAGCTGTG  
 TCCAGTGACATCACGTTCCCATGCGGGGCCGCCGGGCATGAAGGACTGGGTGCGGCAC  
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 GCCACATCTGGGGCAGCAGGCAGCCCTGGCAGGGGGAGGGGCCAGGAACGGTGCCTCCT  
 GGCCAGGCCACTCCCACAGCGCCTCTCCAGCAGACCCTGATGAGTCTCTACTTTT  
 GTGATCGGTGCTGTACTTACCACACCCTTGGCCTCATCTGCCGCTCCAGGCCCCCG  
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 GAGCCCTCATCACTGTGGAGCTCTCTACATCATCAATGGGACCACGGATCCCCATTGC  
 GCCAGCTGGGACTACTCCAGAGCAGATGCCAGCTCAGGAGACTGGGACTGAAAATTGC  
 CAGACCCTGGAGACCCAGGCAGCTCACACCCGCTGCCAGTGCAGCACCTGTCCACCTTT  
 GCTGTACTAGCCAGCCGCCAAGGACCTGACCCTGGAGCTGGCGGGCTCCCCCTCGGT  
 CCCCTGGTACTCGGTGTGCAGTGTCTGCATGGCGCTGCTCACCTGCTCGCCATCTAT  
 CCGCCTTTGGAGTTTATAAAATCTGAACGCTCCATCATCTTGCTGAACCTTCTGCCTG  
 TCCATCTTGGCATCCAACATCCTGATCCTCGTGGGCCAGTCCCGGTGCTGAGCAAGGGC  
 GTGTGCACCATGACGGCTGCCTTCTGCACTTCTCTTTCTCTCCTCTTTTGTGGGTG  
 CTTACCGAGCCCTGGCAGTCTACCTGGCTGTCATTGGGCGGATGCGCACCCGCCTCGTT  
 CGCAAGCGCTTCTCTGCCTGGGCTGGGGTCTGCCTGCCCTGGTGGTGGCCGTGTCTGTT  
 GGCTTTACCCGAACGAAAGGATACGGTACATCCAGCTACTGCTGGCTCTCCCTGGAGGGC  
 GGCCTGCTCTACGCTTTGTGGGCCCTGCAGCCGTCATTGTCTGGTGAACATGCTCATC  
 GGAATCATCGTCTCAACAAGCTCATGGCACGTGATGGCATCTCCGACAAATCCAAGAAG  
 CAGAGGGCCGGTGGAGCGGTGCCCTGGGCCAGCCTGCTCCTCCCCTGCTCAGCGTGT  
 GGAGCGTCCCCAGCCCCCTGCTCAGCTCAGCCTCGGCCAGGAACGCCATGGCCTCACTC  
 TGGAGCTCCTGCGTGGTGTGCCCTGCTGGCGCTCACCTGGATGTCTGCCGTCTGGCT  
 ATGACAGACCCCGTTCCTCTCTTCCAGGCCCTCTTTGCTGTCTTCAACTCCGCGCAG  
 GGCTTTGTCACTGCTGTGCACTGCTTCTGCGCCGAGAGGTCCAGGATGTGGTGAAG  
 TGCCAGATGGGGGTGTGCCGGCTGATGAGAGCGAAGACTCCCCTGACTCGTGTAAAGAAC  
 GGGCAGCTGCAGATCCTGTGCACTTTGAAAAGGATGTGGATCTGGCTTGTCAAACAGTG  
 CTGTTCAAGGAGGTCAACACTTGCAACCCGTCACCATCACGGGCACACTATCCCCTG  
 TCCCTGGATGAGGATGAGGAGCCCAAGTCTGCCTCGTGGGCCCTGAGGGCAGCCTCAGC  
 TTCTACCACTGCCTGGGAATATCCTGGTGCCATGGCAGCCTACCAGGGCTGGGGGAG  
 CCTCCGCCCCACAGGAGCCAACCCTGTTTACATGTGTGGGAGGGTGGCTGCGGCAG  
 CTGGACCTCACATGGCTGCGGCCCACTGAGCCAGGCTCTGAGGGAGACTACATGGTGTG  
 CCCCAGCGGACTTTGAGCCTGCAGCCTGGCGGTGGGGTGGAGGTGGTGGAGTATGCCCC  
 AGGGCCCGGCGGAGGGGACCCCGGCGAGCTGCCAAGACAGTGGCCACACTGAAGGC  
 TACCCAGCTTCTGTCCGTGGACCACTCGGGCTGGGGTGGGCCCTGCCTATGGATCT  
 CTCCAGAATCCCTATGGAATGACCTTCCAACCGCACCCGCGACCCAGCGCCCCCAA  
 GTGCCCGAGCCAGGGAGCGCAGCCGACCATGCCTCGCACCGTGCCTGGCTCTACCATG  
 AAGATGGGCTCCCTGGAGCGAAAGAAATTACGGTATTCAGACCTGGACTTTGAGAAGGTG  
 ATGCACACCCGGAACCGCATTAGAACTTACCACGAGCTCAACCAGAAAGTTCCACACT  
 TTGACCGCTACCGCAGCCAGTCCACGGCCAAGAGGGAGAAGCGGTGGAGTGTGTCTCG  
 GGTGGGGCAGCCGAGCGGAGCGTGTGCACCGATAAGCCAGCCCTGGGGAGCGCCCCAGC  
 TTGTCCCAACATCGGCGCCATCAGAGCTGGAGCACCTTCAAACTATGACACTGGGCTCG

CTGCCCCCAAGCCCCGAGAACGGCTGACTCTGCACCGGGCAGCAGCCTGGGAGCCCACA  
GAACCACCGGATGGTGACTTCCAGACAGAGGTGTGAGTGCCACGCTGG

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001703
<b>Insert Size:</b>	4800 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001703.2</a></u> , <u><a href="#">NP_001694.2</a></u>
<b>RefSeq Size:</b>	5434 bp
<b>RefSeq ORF:</b>	4758 bp
<b>Locus ID:</b>	576
<b>Cytogenetics:</b>	1p35.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	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]