

Product datasheet for **SC112561**

ABR (NM_021962) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABR (NM_021962) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABR
Synonyms:	MDB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_021962 edited
ATGGAGCCGCTCAGCCACCGGGGCTGCCGCGCCTGTCCTGGATCGACACCCTCTACAGC
AACTTCAGCTACGGGACGGACGAGTACGACGGAGAGGGGAATGAGGAGCAGAAGGGGCC
CCGGAGGGCTCAGAGACCATGCCGTACATCGATGAGTCGCCACCATGTCCCCGAGCTC
AGCGCCCCGAGCCAGGGCGGGGGGATGGCGTCTCCCCGACTCCACCTGAGGGACTGGT
CCTGGGGTGGAAGCAGGAAAGGCTGGAGATGAGGAAGCTGGTTCTCTCGGGGTTCTTG
GCCAGCGAAGAGATCTACATTAACCAGCTGGAAGCCCTGTTGCTGCCCATGAAACCCCTG
AAGGCCACCGCCACCACCTCCCAGCCCGTGTCAACCATCCAGCAGATCGAGACCATCTTC
TACAAGATCCAGGACATCTATGAGATCCACAAGGAGTTCTATGACAACCTGTGCCCAAG
GTGCAACAGTGGGACAGCCAGGTCACCATGGGCCACCTCTCCAGAAGCTGGCCAGCCAG
CTCGGTGTGTACAAAGCGTTTGTGATAACTATAAAGTCGCTCTGGAGACAGCTGAGAAG
TGCAGCCAGTCCAACAACCAAGTTCAGAAGATCTCAGAGGAACTCAAAGTGAAAGTCCC
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GACCGGGTCACTCGGAGCACCTAGTCTACACGACCTGTGAAGCACACACCTGTGGAC
CACCCCGACTACCCGCTGCTGCAGGATGCCCTCCGCATCTCCAGAACTTCTGTCCAGC
ATCAACGAGGACATCGACCCCGCGGACTGCAGTGACAACGCCAAGGGGGAGACGCGA
CAGCTGGTGAAGGACGGCTTCTGGTGAAGTGTGAGAGAGCTCCCGAAGCTGCGGCAC
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CAAACCGTGGAGACCAAGAACTGGCACACGGACGTGATTGAGATGAACGGGATCAAAGTG
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CAGACCGGCGTCTTCGGTGTGAAGATCAGCGTGGTACGAAGCGGGAGCGCTCCAAGGTG
CCCTACATCGTCCGGCAGTGTGTGGAGGAGTGGAGAAGAGGGGTATCGAGGAGGTTGGC
ATCTACAGGATATCGGGCGTGGCCACGGACATCCAGGCGCTCAAGGCCGTCTTCGATGCC
AATAACAAGGACATCCTGCTGATGCTGAGTGACATGGACATCAACGCCATCGCCGGGACG
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GGACCCACGTTACTGAGACCCTCAGAAGTGGAGAGCAAAGCACACCTCACCTCGGCTGCG
GACATCTGGTCCCATGACGTCATGGCGCAGGTCCAGGTCTCTCTACTACCTGCAGCAC
CCCCCATTTCTTCGAGAAGTCAAGCGGAACACACTGACTTCTCCACCGACGTGAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021962 unedited
 NTCTTACGCCCGCCGTTCCCTCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA
 AGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC
 GCGAATTCGGCACGAGGCCCGCGCTCCTCCCGGGACCTGGTCCCGGCCTCCTCGCCCC
 TCCGCGCTCGCAACTTCGGCCTCCCCGGCTCCCGCCGCCCTCCTCCTTTGTTGGCGG
 ATGAGGGTCGGGTTTCGGATCTGACCGAGCCGCCCGCGGGATGGAGCCGCTCAGCCAC
 CGGGCCTGCCGCGCCTGTCCTGGATCGACACCCTCTACAGCAACTTCAGCTACGGGACG
 GACGAGTACGACGAGAGGGGAATGAGGAGCAGAAGGGGCCCGGAGGGCTCAGAGACC
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 GGGGGGATGGCGTCTCCCCGACTCCACCTGAGGGACTGGCTCCTGGGGTGAAGCAGGG
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 TCCCAGCCGTGCTCACCATCCAGCAGATCGAGACCATCTTCTACAAGATCCAGGACATC
 TATGAGATCCCACAGNAGTCTATGACAACTGTGCCCCAGGTGCAACAGTGGGACAGCC
 AGGTCACCATGGGCCACCTCTTCCAGAAGCTGGCCAGCCAGCTCGGTGTGTACAAAGCGT
 TTGTCGATACTATAAAGTCGCTCTGGAGACAGCTGAGAAGTGCAGCCAGTCCAACAACCA
 GTTCCAGAAGATCTCAGAGGAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021962 unedited
 TCGCTGCCCAAATTANAGTCGAGTTTTAAATCTTTTTTTTTGAGTTTTGTGCAAATGAT
 GGGGCTTTGCATTTTTTATTAACATTTTCTCTCACGTGGTTACATCAATTTATAATAA
 TCTACATAAGTTGAAACAGAACATAGACAAAAAATATATCCTTACCAACTTATTAAGT
 CAGATATTCATGAAGGGTCCCATCTACCTGTGTATCAGCAGAAACTGGCAGCCATCAGC
 CATTGCCAGCAAGAACAGGCAGACCTGGCGTTTCTTAGCCTGACTCCTGCTGGGCACAG
 CCCACCCTGCTGGGCACAGTACTGGAGGTTCCAGGCTGCACAGTCCCTGGCTCCTGACT
 CCTGCCGGGCGCAGTACTGGAGGTTTCGGGCTGCATGGTCCCCGGCTCACAGGAGACCC
 TGCTGGGTGTTTCTTGGTGCAGTTTAGTCCAGGCTGGCACCTGACCCTCCCCACTCTG
 GGGTGGGATTTATAAATATGAGCCTTTGCATTTCTCAGCCTTTGAGCCTTCCCATAGC
 CTGTTCTCAGTTGCCTCAGCGAGCTTGGGGCTGTGGGGCTCCCTGNAGCTGAGACGCA
 AGGTGGCCAGTCTGGGCCGTGACTCACTCTGCCCTTCCCTGTCCATCACTTTGGAAGCA
 GCANGACCTTCTGTGCCACACCCGACACTCGGATGCCANGCAGGGACCTTTAGAAGGG
 CCAAGCACTGCNATCTTAGACTCAAGTCAACCGCCTTCCCAGGGNAGCAGGGGCTTTTG
 CTAGCTGCTCACAGGCAGCCGATGGTCAGTACTTCTTTCTTTGGGCATGTCTTTCCTC
 GTGCACAGAGGTACTACTGGTCTTGCCAAGGCCACGGAGTTAACAGCTCAAAAGGGGCTT
 TTACCGGCAGCGCTGNAATGTTAGGCCCGCAAACCTTCTTTAGAATCAACCTTGGCCAGG
 CATGGGAACGGCCTTCCAGCCTGAGGCCGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_021962

OTI Disclaimer:

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).

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_021962.2](#), [NP_068781.2](#)

RefSeq Size: 5300 bp

RefSeq ORF: 2580 bp

Locus ID: 29

UniProt ID: [Q12979](#)

Cytogenetics: 17p13.3

Domains: C2, RhoGAP, RhoGEF, PH

Gene Summary: This gene encodes a protein that is similar to the protein encoded by the breakpoint cluster region gene located on chromosome 22. The protein encoded by this gene contains a GTPase-activating protein domain, a domain found in members of the Rho family of GTP-binding proteins. Functional studies in mice determined that this protein plays a role in vestibular morphogenesis. Alternatively spliced transcript variants have been reported for this gene. [provided by RefSeq, Feb 2012]