

Product datasheet for **RC239185**

ABR (NM_001282149) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABR (NM_001282149) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABR
Synonyms:	MDB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC239185 representing NM_001282149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAGATTCTCCTCATTATTCGTTCTGCTGTAACCTGCACCTATGCTCTGCTCTACAAGCCATTGACC
GGTCACTCGGAGCACCTAGTCTACACGACCTGCTGAAGCACACACCTGTGGACCACCCCGACTACCC
GCTGCTGCAGGATGCCCTCCGCATCTCCAGAACTTCTGTCCAGCATCAACGAGGACATCGACCCCGC
CGGACTGCAGTGACAACGCCAAGGGGAGACGCGACAGCTGGTGAAGGACGGCTTCTGGTGAAGTGT
CAGAGAGCTCCCGAAGCTGCGGCACGTCTTCTCTTTACAGATGTCTACTGTGTGCCAAGCTGAAGAA
GACCTCTGCAGGGAAGCACCAGCAGTATGACTGTAAGTGGTACATCCCCCTGGCCGACTGGTGTTC
TCCCCGAGGAGTCTGAGGCCAGCCCCAGGTGCACCCCTTCCAGACCATGAGCTGGAGGACATGAAGA
TGAAGATCTCGCCCTCAAGAGTAAATCCAGAAGGAGAAAGCCAAACAAGGCCAGAGCCGGGCCATCGA
GCGCCTGAAGAAGAAGATGTTTGAAGTGAATTCCTGCTGCTGCTCAACTCCCCACAATCCCGTTCAGG
ATCCACAATCGGAATGGAAGAGTTACCTGTTCCTACTGTCTCGGACTACGAGAGGTGAGAGTGGAGAG
AAGCAATTCAGAACTACAGAAGAAGGATCTCCAGGCCTTTGTCCTGAGCTCAGTGGAGCTCCAGGTGCT
CACAGGATCCTGTTTCAAGCTTAGGACTGTACACAACATTCCTGTACCAGCAATAAAGACGACGATGAG
TCTCCAGGACTCTATGGCTTCCTTCATGTATCGTCCACTCTGCCAAGGGATTTAAGCAATCAGCCAACC
TGTAAGTACCCTGGAGGTGGATTCTTCGGCTATTTTGTGAGCAAGCCAAAACAGGGTGTCCGGGA
CACAGCGGAGCCCAAGTGGGATGAGGAGTTTGAAGTGCAGCTGGAGGGCTCCAGTCCCTGAGGATCCTG
TGCTATGAGAAGTGTATGACAAGACCAAGGTCAACAAGGACAACAATGAGATCGTGGACAAGATCATGG
GCAAAGGACAGATCCAGCTGGACCCACAACCGTGGAGACCAAGAAGTGGCACACGAGCTGATTGAGAT
GAACGGGATCAAAGTGAATTTTCCATGAAATTCACCAGCCGAGATATGAGCCTGAAGAGGACCCCGTCC
AAAAAGCAGACCGCGTCTTCGGTGTGAAGATCAGCGTGGTACGAAAGCGGGAGCGCTCCAAGGTGCCCT
ACATCGTCCGGCAGTGTGTGGAGGAGGTGGAGAAGAGGGGTATCGAGGAGTTGGCATCTACAGGATATC
GGGCGTGGCCACGGACATCCAGGCGCTCAAGGCGTCTTCGATGCCAATAACAAGGACATCCTGCTGATG
CTGAGTGACATGGACATCAACGCCATCGCCGGGACGCTCAAGCTGTAATTCGGGAACTGCCGAGCCGC
TCCTCACGACCGACTCTACCCAGCCTTATGGAGGGCATCGCCCTGTCAGACCTGCTGCCAAGGAAAA
CTGCATGATGCACCTGCTCCGCTCCCTGCCGACCCCAACCTCATCACCTTCTCTTCTGCTGGAACAC
TTGAAAAGGGTTGCCGAGAAGGAGCCCATCAACAAAATGTCACTTCAACAACCTGGCTACCGTGTGGAC
CCACGTTACTGAGACCTCAGAAGTGGAGAGCAAAGCACACCTCACCTCGGCTGCCGACATCTGGTCCCA
TGACGTATGGCGCAGGTCCAGGTCTCTCTACTACCTGCAGCACCCCCCATTTCCTTCGCAGAAGTCT
AAGCGGAACACACTGTACTTCTCCACCGACGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239185 representing NM_001282149
 Red=Cloning site Green=Tags(s)

MEILLIIRFCNCTYALLYKPIDRVTRSTLVLDLLKHTPVDHPDYPLLQDALRISQNFLSSINEDIDPR
 RTAVTTPKGETRQLVKDGFLEVESSRKL RHVFLFTDVLLCAKLKTSAGKHQQYDCKWYIPLADLVFP
 SPEESEASPQVHPFPDHELEDMKMKISALKSEIQKEKANKGQSRAIERLKKKMFENEFLLLNSPTIPFR
 IHNRRNGKSYLFLSSDYERSEWREAIQKLQKDLQAFVLSVELQVLTGSCFKLRTVHNIPTVSNKDDDE
 SPGLYGFHLHVIVHSAGFKQSANLYCTLEVDSFGYFVSKAKTRVFRDTAEPKWDEEFEIELEGSQSLRIL
 CYEKCYDKTKVKNKDNEIVDKIMGKGQIQDPQTVETKNWHTDVIEMNGIKVEFSMKFTSRDMSLKRTPS
 KKQGTGVFGVKISVVTKRERSKVPYIVRQCVEEVEKRGIEEVGIYRISGVATDIQALKAVFDANNKDILLM
 LSDMDINAAGTLKLYFRELPELLTDRLYPAFMEGIALSDPAKENCMHLLRSLPDPNLITFLFLEH
 LKRVAEKEPINKMSLHNLATVFGPTLLRPSEVESKAHL TSAADIWSDVMAQVQVLLYYLQHPPI SFAEL
 KRNTLYFSTDV

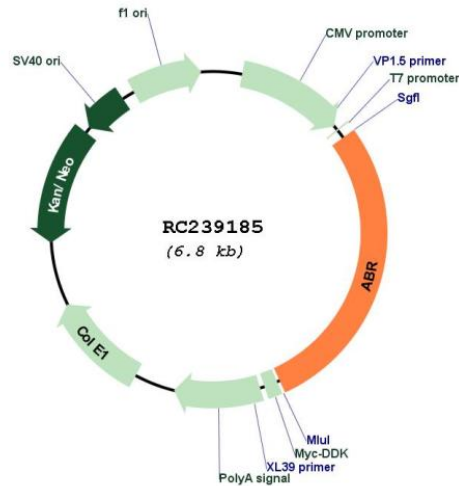
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001282149

ORF Size: 1923 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_001282149.2](#)

RefSeq Size: 4781 bp

RefSeq ORF: 1926 bp

Locus ID: 29

UniProt ID: [Q12979](#)

Cytogenetics: 17p13.3

MW: 74 kDa

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]