

## Product datasheet for **RG239185**

### ABR (NM\_001282149) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABR (NM_001282149) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABR
Synonyms:	MDB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239185 representing NM\_001282149.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGATTCTCCTCATTATTCGTTCTGCTGTAACGACACCTATGCTCTGCTCTACAAGCCATTGAC
CGGGTCACTCGGAGCACCTAGTCTACACGACCTGCTGAAGCACACACCTGGACCACCCCGACTAC
CCGCTGCTGCAGGATGCCCTCCGCATCTCCAGAACTTCTGTCCAGCATCAACGAGGACATCGACCCC
CGCCGGACTGCAGTGACAACGCCCAAGGGGAGACGCGACAGCTGGTGAAGGACGGCTTCTGTGGAA
GTGTCAGAGAGCTCCCGAAGCTGCGGCAGTCTTCTCTTTACAGATGCTACTGTGTGCCAAGCTG
AAGAAGACCTCTGCAGGGAAGCACCAGCAGTATGACTGTAAGTGTACATCCCCCGGCCAGCTGGTG
TTTCCATCCCCGAGGAGTCTGAGGCCAGCCCCAGGTGCACCCCTTCCCAGACCATGAGCTGGAGGAC
ATGAAGATGAAGATCTCTGCCCTCAAGAGTAAATCCAGAAGGAGAAAGCCAACAAGGCCAGAGCCGG
GCCATCGAGCGCCTGAAGAAGAAGATGTTTGAAGTGAATCCAGTGTCTACTGCTCCTCGGACTACGAGAGTCA
CCGTTCCAGGATCCACAATCGAATGGAAGAGTTACCTGTTCTACTGCTCCTCGGACTACGAGAGTCA
GAGTGGAGAGAAGCAATTCAGAACTACAGAAGAAGGATCTCCAGGCCTTTGTCCTGAGCTCAGTGGAG
CTCCAGGTGCTCACAGGATCCTGTTTCAAGCTTAGGACTGTACACAACATTCTGTCCACCAGCAATAAA
GACGACGATGAGTCTCCAGGACTCTATGGCTTCTTTCATGTATCGTCCACTCTGCCAAGGGATTTAAG
CAATCAGCCAACCTGACTGTACCCTGGAGGTGGATTCTTCCGGTATTTTGTGACGAAAGCCAAAACC
AGGGTGTTCGGGACACAGCGGAGCCCAAGTGGGATGAGGAGTTTGAGATCGAGCTGGAGGGCTCCCAG
TCCCTGAGGATCCTGTGCTATGAGAAGTCTATGACAAGACCAAGGTCAACAAGGACAACAATGAGATC
GTGGACAAGATCATGGGCAAAGGACAGATCCAGCTGGACCCACAACCCGTGGAGACCAAGAATGGCAC
ACGGACGTGATTGAGATGAACGGGATCAAAGTGGAAATTTCCATGAAATTCACCAGCCGAGATGAGC
CTGAAGAGGACCCCGTCCAAAAAGCAGACCGCGCTTTCGGTGTGAAGATCAGCGTGGTACGAAGCGG
GAGCGCTCCAAGGTGCCCTACATCGTCCGGCAGTGTGTGGAGGAGTGGAGAAGGGGTATCGAGGAG
GTTGGCATCTACAGGATATCGGGCGTGGCCACGGACATCCAGGCCTCAAGGCCGTCTTCGATGCCAAT
AACAAGGACATCTGCTGATGCTGAGTGACATGGACATCAACGCCATCGCCGGGACGCTCAAGCTGTAC
TTCCGGGAACTGCCCGAGCCGCTCTCACGGACCGACTTACCCAGCCTTCATGGAGGGCATCGCCCTG
TCAGACCTGCTGCCAAGGAAACTGCATGATGCACCTGCTCCGCTCCCTGCCGACCCCAACCTCATC
ACCTTCTCTTCTGCTGGAACACTTAAAAGGGTTGCCGAGAAGGAGCCCATCAACAAAATGTCACCTT
CACAACCTGGCTACCGTGTGGACCCAGTACTGAGACCTCAGAAGTGGAGAGCAAAGCACACCTC
ACCTCGGCTGCGGACATCTGGTCCATGACGTCATGGCGCAGGTCCAGGTCTCCTCTACTACCTGCAG
CACCCCCCATTTCTTCGCAGAACTCAAGCGGAACACACTGTACTTCTCCACCGACGCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG239185  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEILLIIRFCNCTYALLYKPIDRVTRSTLVLDLLKHTPVDHPDYPLLQDALRISQNFLSSINEDIDP
RRTAVTTPKGETRQLVKDGFLEVESESRKLRHVLFVLDVLLCAKLKTSAGKHQYDCKWYIPLADLV
FPSPEESEASPQVHPFPDHELEDMKMKISALKSEIQKEKANKGQSRAIERLKKKMFENEFLLLLNSPTI
PFRIHNRNGKSYLFLSSDYERSEWREAIQKLQKKDLQAFVLSVELQVLTGSCFKLRTVHNIPTVSNK
DDDESPGLYGFLHVIHSAKGFQSANLYCTLEVDSFGYFVSKAKTRVFRDTEAPKWDEEFIEIEGSQ
SLRILCYEKCYDKTKVKNKDNEIVDKIMGKGQIQLDPQTVETKNWHTDVIEMNGIKVEFSMKFTSRDMS
LKRTPSKKQTGVFGVKISVVTKRERSKVPYIVRQCVEEVEKRGIEEVGIYRISGVATDIQALKAVFDAN
NKDILLMLSDMDINAIAGTLKLYFRELPELLTDRLYPAFMEGIALSDPAKENCMHLLRSLPDPNLI
TFLFLLHLKRVAEKEPINKMSLHNLATVFGPTLLRPSEVESKAHLTSAADIWSDVMAQVQVLLYYLQ
HPPISFAELKRNTLYFSTDV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDSDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**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).

**RefSeq:** [NM\\_001282149.2](#)

**RefSeq Size:** 4781 bp

**RefSeq ORF:** 1926 bp

**Locus ID:** 29

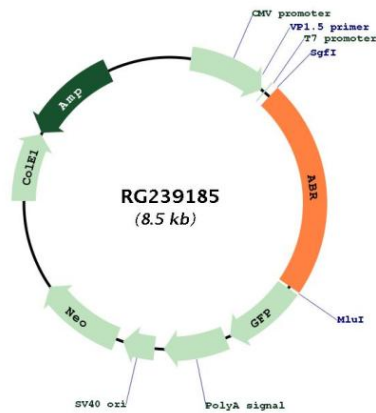
**UniProt ID:** [Q12979](#)

**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]

**Product images:**


Circular map for RG239185