

Product datasheet for **RN208652**

Abtb1 (NM_001005902) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abtb1 (NM_001005902) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abtb1
Synonyms:	MGC94157
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208652 representing NM_001005902
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACTAGCGACCTGTTTGCCAGCTGCAGGAAGGGGACGTGGGCCGTGTCGGTACCTGCTGGAGC
 AGCGAGACGTGGAGGTGAACGTGCGGGATAAGTGGGACAGCACCCCTTTGTACTATGCCTGCCTCTGTGG
 GCATGAGGAGCTGGTGCCTACCTGTTGGCTAATGGAGCACGCTGTGAGGCCAACACCTTTGATGGAGAA
 CGGTGTCTCTATGGAGCGCTGAGCGACCCATTGCGCGTGCCTGAGAGACTACAAAACAGGTCACCTGCAT
 CCTGCAGGAGGCGGGATTACTATGACGATTTCTTGCAGCGGCTTCTGGAACAGGGCATCCACAGCGATGT
 GGTCTTTGTGGTACACGGAAGCCATTCGGGCCCATCGCTGCATCCTCGGTGCTCGCAGTACCTACTTT
 GCCAACATGCTGGACACCAAGTGAAGGGCAAGAGCGTGTGGTTCTCAGGCACCCCTGATCAACCCGG
 TGGCCTTTGGGGCTCTACTGCAGTATCTGTACACAGGCCGCTTGGACATCGGTGTGGAGCATGTAAGTGA
 CTGTGAGCGCTTGGCTAAGCAGTGCAGCTATGGACCTGCTCGACGACCTGGAGGCTAAATGCGAGAAG
 GTGTCTGAATTTGTGGCTTCCAAGCCTGGCACATGTGTGAAGGTGCTGACTATTGAGCCCTCCAGCAG
 ATCCCCGGTTACGGGCAGATATGGCACTGCTGGCCGACTGTGCCCTGCCACCTGAGCTGCGGGGTGACCT
 TGGAGAGCTGCCCTTCCCATGTCCTGATGGCTTTAGCAGCTGCCCTGATATCTGCTTCCGTGTGGCTGAC
 TCCAGCTTCTCTGCCACAAGGCTTTCTTGTGGGCGCAGTGACTACTTCCGGGCTCTTCTGGATGACC
 ACTTTCGAGAGAGTGAGGAGCCTGTAGCCTTGGAGACCCCCAGTTGTACCCTGCATGACATCTCCCC
 AGACATCTTACCATGTCCTGTACTACGTATAAGTGACCATACTGAGTACCTCCTGAGTTGGCCTAT
 GATGTGCTGAGTGTGGCTGACATGTACCTTCTACCTGGCCTGAAGCGGCTGTGTGGCCGACGCTGGCCC
 AGTACTGGAGGAGGACAGTGTGGTGGTGTGGGCGCATAGCCAAGCTGTTCCGGCTGGCCCGGCTGGA
 GGACCATGTACCGAGTATATGGCCAAGGTCATCGAGAAGCTGGTGGAGCGAGAGGACTTCGTGGAGGCA
 GTGCGGGAAGAGGAGCCGCTGTAGCGGCCGGCAGGAGACAGACTCCATCCCCTTGTGATGACATCC
 GTTCCATGTGGCCAGCACAGTCCAGACCTACAGTGCCATCGAAGAGGCACAGCAGCAGCTGCGGGCACT
 CGAGAACCTGCTGTGTCCATTGGCTTAGACTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001005902

Insert Size: 1437 bp

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_001005902.1, NP_001005902.1
RefSeq Size: 2006 bp
RefSeq ORF: 1437 bp
Locus ID: 297432
UniProt ID: Q5XIU1
Cytogenetics: 4q34
Gene Summary: May act as a mediator of the PTEN growth-suppressive signaling pathway. May play a role in developmental processes (By similarity).[UniProtKB/Swiss-Prot Function]