

Product datasheet for **MR207668**

Abtb1 (NM_030251) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abtb1 (NM_030251) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abtb1
Synonyms:	AI847549; BC003234; BPOZ; EF1ABP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207668 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATACCAGCGACTTGTGGCCAGCTGCAGGAAAGGGGACGTGGGCCGTGTGGGTACCTGCTGGAGC
 AGCGAGACGTGGAGGTGAACGTGCGGGATAAGTGGGACAGCACCCCTTTGTACTATGCCTGCCTCTGTGG
 GCATGAGGAGTTGGTGCCTACCTGTTGGCTAATGGAGCCCGCTGTGAGGCCAACACCTTTGATGGAGAG
 CGGTGTCTCTACGGAGCGCTAAGCGACCCTATTCGCCGTGCACTGAGAGACTACAAAACAGGTCACCTGCGT
 CCTGCAGGAGGCGGGATTACTATGACGATTTCTGCAGCGGCTTCTGGAACAGGGCATCCACAGCGATGT
 GGTCTTTGTGGTACCGGAAAGCCGTTCCGGGCCCATCGCTGTATCCTCGGTGCTCGCAGTACCTACTTC
 GCCAACATGCTGGACACCAAGTGAAGGGCAAGAGCGTCGTGGTTCTCAGGCACCCCTGATCAACCCGG
 TGGCCTTTGGGGCTCTACTGCAGTACCTGTATACAGGCCGCTTGGACATCGGTGTAGAACACGTGAGTGA
 CTGTGAGCGCCTGGCCAAGCAGTCCAGCTGTGGGACCTGCTGGATGACCTGGAGGCTAAGTGCAGAGAAG
 GTGTCTGAATTTGTGGCTTCCAAGCCTGGCACGTGTGAAGGTGCTGACTATTGAACCTCTCCAGCAG
 ATCCCCGGTTACGGGCAGATATGGCCCTGCTAGCTGACTGTGCCCTGCCATCTGAGCTGCGGGGTGACCT
 TGGAGAGCTGCCCTTCCCATGTCCCGATGGCTTCAGCAGCTGCCCGATATCTGCTTCCGAGTGGCTGAC
 TCCAGCTTCTCTGCCACAAGGCTTTCTTCTGTGGCCGACGTGACTACTCCGGGCCCTTCTGGATGACC
 ACTTTCAAGAGAGTGAGGAGCCTGCAGCCTCTGGAGATCCCCAGTTGTCAACCCTGCATGACATCTCCCC
 GGACATCTTATTACGTGTTGTACTACGTATAAGTGACCATACCGAGCTGCCTCCTGAGTTGGCTAC
 GATGTTCTGAGTGTGGCTGACATGTACCTTCTGCCTGGCCTGAAGCGGCTGTGTGGCCGACGCTGGCCC
 AGCTGCTGGAGGAGGACAGTGTGGTGGGTGTTTGGCGCATAGCCAAGATGTTCCGGCTGGCCCGGCTGGA
 GGACCAAGTACCGAGTATATGGCCAAAGTCATAGAGAAGCTGGTAGAGCGGGAGGATTTCTGTGGAGGCC
 GTGCGGGAAGAGCGGCAGCTGTAGCGGCCGGCAGGAGACAGACTCCATCCCGCTCGTCGATGACATCC
 GCTTCCATGTGGCCAGCACGGTCCAGACATACAGTGCCATTGAAGAGGCACAGCAGCGACTGCGGGCACT
 CGAGGACCTGCTCGTGTCCATTGGCTTGGACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207668 protein sequence
 Red=Cloning site Green=Tags(s)

MDTSDLFASCRKGDVGRVRYLLEQRDVEVNRDKWDSTPLYYACLGHHEELVRYLLANGARCEANTFDGE
 RCLYALSDPIRRALRDYKQVTASCRRRDYDDFLQRLLEQGIHSDVVFVHGKPFRAHRCILGARSTYF
 ANMLDTKWKGKSVVLRHPLINPVAFGALLQYL YTGRLDIGVEHVSDCERLAKQCQLWDLDDLEAKCEK
 VSEFVASKPGTGVKVLTIETPPADPRLRADMALLADCALPSELRGDLGELPFPCPDGFSSCPDIFRVD
 SSFLCHKAFFCGRSDYFRALLDDHFQSESEPAASGDPPVTLHDISPDI F IHVL YVYSDHTELPPELAY
 DVL SVADMYLLPGLKRLCGRSLAQLLEEDSVVGVWRIAKMFLARLEDQCTEYMAKVIEKLVEREDFVEA
 VREEAAVAARQETDSIPLVDDIRFHVASTVQTYSAIEEAQQRLRALEDLLVSIGLDC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_030251

ORF Size: 1437 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_030251.2](#)
RefSeq Size: 1896 bp

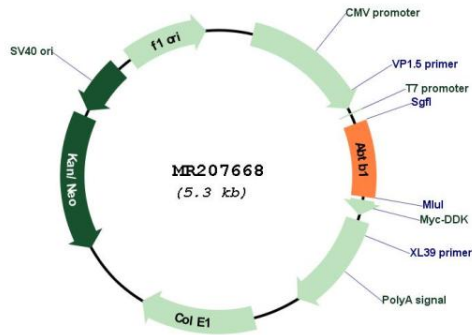
RefSeq ORF: 1437 bp

Locus ID: 80283

UniProt ID: [Q99LJ2](#)

Cytogenetics: 6 D1
MW: 54.1 kDa
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]

Product images:



Circular map for MR207668