

## Product datasheet for **MG211471**

### Abtb2 (NM\_178890) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abtb2 (NM_178890) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Abtb2
Synonyms:	AW539457; BPOZ-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211471 representing NM_178890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGGACATACAGCTCCACATTGAAGACTCTGGAGGACTTGACCTTGACTCCGGGTATGGGGCCG  
GCGACTCTGCCGCTCGCTCAGCCTTTCGTCCTTCCAAGTCCAACCTCGCAGGCGCTCAACTCTCGGCGCA  
GCAGCACCGCGGGGCGGCTGGTGGTACTCCGGCTCCATGAACAGCCGCCACAACAGCTGGGACAG  
GTGAACACAGTGTGCCGAGGATCCCAGAGTGGCCGACCTCTTCTCCGCTGCCGCGGCTCCCGGAGC  
TGGAGGAGTTCCTTGGACCGAGGGAGAGCTGGCCGGGTGCTCCGAAAAGCGTCGGCGCCGGAGGCT  
GCCCTCGTTCGCCCGAGGCTGTGAGACGCTTGCCGGACTCCTCCGCCGGGCGCTCATCCGCGTGGCC  
CGGGAGGCGCAGCGCCTTAGCGTGTGCACGCTAAGTGCACCCGCTTCGAGGTGCAGAGTGGGTGCGCC  
TGGTGCACAGCTGGGCGCTGGCCGAGAGCTGCGCACTGGCAGCGGTCAAGGCGTGTCCCTCTACAGCAT  
GAGCGCTGGGGATGGGCTGCGCCGCGGCAAGTCCGCGCGCTGCGGCTCACTTCTCCGTGGGCGCTTC  
TTCCGTTGGATGGTGGACTCGCATCTCCGTGCGCATCCATGAGTACGCGGCCATCTCGCTAACGGCTT  
GCATGGAGAACCTGGTGGAGGAGATCCGGGCCAGGGTGTGGCGAGCCAGAGCCAGATGGCGGAGGGG  
AGGAGTGGAGAGGTATCCGCTGAGGCTTGGAGATGGTATCAACAACGACGCCGAGCTCTGGGAGTC  
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CCACCGCTGATGGAGTGGATGCGGGTGAATCACCTATGCAGAACCCGTCGACGCCCCACTGTGGACA  
GTGGCGATATCCGGCAGGACGCCGCTACTGCTGCCAGGCTGGACTGTGAGCCCCGCAACTCAAACC  
CGAGTGTCTCAGTTCCTCCGGAGGCTGGATGCTCGAGCTGCTACTGAACGCTTCAACCAGGACCTG



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GGCTTCCGCATGCTCAACTGTGGGAGAACAGACCTCATCAGCCAGGCCATCGAGGCCCTGGGCCCGGATG
GGTGAAACAATGGATGACCAGGGTATGACGCCGCTTATGTACGCCGTGTGCTGCTGGGGACGAAGCCAT
GGTCCAGATGCTGATTGATGCTGGAGCTAACTTAGATATCCAGGTTCCAAGCCACTCTCCAGGCATCCG
TCCGTCCACCCCGACAGCAGGCATTGGACCTCCCTGACATTTGCGGTGCTACATGGACACATCTCTGTGG
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TCAGCCACTCCGCTGCCACGGCCACAGAAATGTCCTGAGAAAGCTCCTGACTCAGCCACAGCAGGCTAA
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CAGCATCTAACAGGTTAAGACCTTAATGACCAACAAATCAGAACAAGATGGGGACAGCAGCAAAACCAT
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TCCATGGAAATCCCCTACTGCTGACATCTGCAGCTGCTGTGAGCTGCCAACCTGTTCCAGCTAGATGCC
TGCAGAGACACTGTGAGATCCTGTGCTCCAGACCCTTAGTGTGGAAAGTGTGTCAACACCTACAAATA
TGCCAAGATCCACAACGCCCGGAGCTGGCCCTTCTGTGAAGGCTTCTTCTCAAGCACATGAAGGCC
CTGCTAGAGCAGGATGCCTTCCGGCAGCTCATCTATGGCCGAAGCAGCAAAAGTCCAGGGCCTGACCCAC
TGCAGGATCTGCAGAGCACCTAGCAGAGCGAGTGCATTCTGTCTACGTACCTCCCGGGTG

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG211471 representing NM\_178890  
 Red=Cloning site Green=Tags(s)

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MAGTYSSTLKTLEDLTLDSGYGAGDSCRSLSLSSKSNSQALNSSAQHRGAAWWCYSGSMNSRHNSWDT
VNTVLPEDPEVADLF SRCPRLPELEEFWTEGDVARVLRKSVGGRRRLPSFSAEAVRRLAGLLRRALIRVA
REAQRLSVLHAKCTRFEVQSAVRLVHSWALAEICALAAVKALSLYSMSAGDGLRRGKSARCGLTF SVGRF
FRWMVDTRISVRIHEYAAISLTACMENLVEEIRARVLASQSPDGGGAGGGEVSAEAELEMVINNDAELWGV
LQPYEHLICGKNANGVLSLPAYFSPYNGGSLGHDERADAYAQLELRTLEQSLLATCVGSISELSDLVSRA
MHHMQGRHPLCPGTSPARQARQPPQPIWSPDALHTLYYFLRCPQMESMENPNLDPPRMTLNNERPFMLL
PPLMEWMRVAITYAEHRRSPTVDSGDIRQAARLLL PGLDCEPRQLKPECCFSSFRRLDARAATERFNQDL
GFRMLNCGRTDLISQAIEALGPDGVNTMDDQGMTPLMYACAAGDEAMVQMLIDAGANLDIQVPSHSPRHP
SVHPDSRHWTSLTFAVLHGHSVVQLLLDAGAHVEGSAVNNSGDSYAETPLQLASAAGNYELVSLLLSRG
ADPLL SMLEANGMASSLHEEMNCFSHSAAHGHRNVLRLKLLTQPQAKADVLSLEEILAEGVEESDTSSQG
SSEGPVRLSRTRTKALQEAMYYSAEHGYLDITMELRALGVPWKLHIWIESLRTSFSQSRYSVVQSLLKDF
SSIKEEYNEELVTEGLQLMFDILKTSKNDVSVLQQLATIFTHCYGTSPISPIPEIRKTLPARLDPHFLNN
KEMSDVTFVVEGKLFYAHKVLVLTASNRFKTLMTNKSEQDGDSSKTIIEISDIKYHIFQMLMQYLYGGTE
SMEIPTADILQLLSAANLFQLDALQRHCEILCSQTL SVESAVNTYKYAKIHNAPELALFCEGFLLKHMKA
LLEQDAFRQLIYGRSSKVQGLDPLQLDQLSTLAERVHSVYVTSRV

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TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_178890.3</a> , <a href="#">NP_849221.2</a>
<b>RefSeq Size:</b>	4595 bp
<b>RefSeq ORF:</b>	3075 bp
<b>Locus ID:</b>	99382
<b>UniProt ID:</b>	<a href="#">Q7TQI7</a>
<b>Cytogenetics:</b>	2 E2
<b>Gene Summary:</b>	May be involved in the initiation of hepatocyte growth.[UniProtKB/Swiss-Prot Function]