

## Product datasheet for **MG225599**

### **Abl2 (NM\_001136104) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abl2 (NM\_001136104) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Abl2  
**Synonyms:** AA536808; Abl1; Arg  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG225599 representing NM\_001136104  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGGGCAGCAGGTGGGCCGCTCGGGGAGGCTCCGGGGCTCCAGCAGCCGAGCCGCGCGGGATCCGGG  
 GCAGCAGCGCAGCCAGGCCCTCGGGCCGAGCCGGGACCCGGCGGGGCGTACCGCAGACGCCGGTTCAA  
 CGTCTTACCCAGCAGCAGTCACTTTGCCAGCTGTGTGGAGGATGGATTTGAGGGAGACAAGACTGGAGGC  
 AGTAGTCCAGAAGTTTTGCACCGCCCGTTTGGCTGTGATGCTGAATCTCAGGCACTGAATGAAGCGATCA  
 GGTGGAGCTCCAAGGAGAACTTGTGGGAGCCACTGAGAGTGACCCTAATCTCTTTGTTGCACTTTATGA  
 CTTTGTGGCAAGTGGTGATAACACACTCAGTATCACTAAAGGTGAAAAGCTGCGAGTCCTTGGTTATAAC  
 CAGAATGGCGAGTGGAGTGAAGTTCGCTCCAAGAATGGACAGGGTTGGGTGCCAAGCAACTACATCACTC  
 CAGTTAATAGCCTGGAGAAAATTCCTGGTACCACGGACCTGTATCCCGCAGCGCAGCAGAGTATCTCCT  
 CAGCAGCCTAATCAATGGCAGCTTCCTGGTTCGAGAGAGTGGAGCAGCCCTGGGCAGCTGTCCATCTCT  
 CTCAGGTATGAGGGACGTGTGTACTACAGGATCAATACCACCACAGACAGCAAGGTGTACGTGACAG  
 CTGAGAGCCGCTTTAGCACCTTGGCAGAGCTTGTTCACCACCACTCCACAGTTGCTGATGGGCTAGTGAC  
 CACGCTGCACTACCCAGCACCGAAGTGCAACAAGCCAACCGTCTATGGCGTGTCTCCTATCCATGACAAG  
 TGGGAAATGGAACGGACAGATATCACCATGAAGCACAAACTTGGGGCGGTGAGTACGGAGAGGTTTACG  
 TTGGCGTCTGGAAGAAGTACAGCCTTACAGTGGCTGTGAAAACACTGAAGGAAGACACCATGGAGGTGGA  
 GGAGTTCTGAAGGAAGCTGCAGTGAAGGAGATCAAGCATCCTAACTTAGTACAACCTGCTAGGTGTG  
 TGTACCCTGGAGCCACCGTTTTACATTGTGACTGAATACATGCCGTATGGGAACCTGCTTACTATCTCC  
 GGGAGTGCAGCCGAGAGGAGGTGACCGCGTCGTGTTACTTTACATGGCCACCCAGATCTCCTCTGCCAT  
 GGAGTACTTGGAGAAGAAGAACTTCATCCATAGAGATCTTGTGCCCGGAACTGCCTAGTGGCGGAGAAC  
 CATGTGGTGAAGTGGCCGACTTTGGTTAAGTAGACTGATGACTGGAGATACCTACACTGCTCATGCTG  
 GAGCCAAATTTCTATTAATGGACAGCACCCGAGAGTCTGGCCTACAATACCTTTTCAATTAATCTGA  
 CGTTTGGCGTGGAGTACTGTTGTGGGAAATGCTACATATGGAATGTCACCATATCCAGGTATTGAC



[View online »](#)

```

CTATCTCAAGTCTATGACCTACTGGAAAAAGGATATCGAATGGAACAGCCTGAGGGATGCCCCCTAAAG
TGTATGAACTTATGAGAGCATGCTGGAAGTGGAGCCCTGCTGACAGGCCCTCTTTTGTGAAACCCATCA
AGCTTTTGAACAATGTTCCATGACTCCAGCATCTCTGAAGAGGTAGCTGAGGAGCTTGGGAGAACGGCC
TCCTCCTCCTCTGTGGTTCCATACCTGCCTCGGTTACCGCTGCTTCTTCCAAGACGAGGACCCTGAGGA
AGCAGGGGGAGAACAAGAGAACCTAGATGGGGCCCTTGATGCCGCCGAGAGCCTGGCCTCCAGCTCAGC
ACCAGCAGGGTTCATTAGAAGCACACAGGCCCTCAGTGGGTCCCCAGCTCTGCCTCGAAAGCAAAGAGAT
AAGTCGCCACGACGCTTTAGAAGATGCCAAAGAGACATGCTTTACCAGGGATAGGAAGGGGGCTTCT
TCAGCTCCTTCATGAAAAAGAGGAACGCCCCACGCCCCGAAGCGCAGCAGCTCCTTTGAGAAAATGGA
GAATCAGCCCCACAAGAAATATGAACTCACGGGGCTTCCAGAGCAGGATAGGATGGCAATGACCCTTCCC
AGGAACTGCCAGAGGTCCAAACTCCAGCTGAAAGGACAGTGTCCACCTTCTCAACCAGAAGAGAATG
TGGACAGGGCTAATGACATGCTTCAAAAAAATCTGAGGAAGGTGCTGCTCCAGCCAGGGAGAGACAAA
AGCCAAACTATTGCCAGAGGAGCCACAGCTTCCCTTGAGAGCCCTGATCCAGCCATCACAGAGAGT
GACTCTCCGGGGTAGGGGTGGCTGGAGTGGCAGCTGCCCCAAAGGCAAGGAAAGGAATGGTGGGACGC
GACTTGGAGTCTGCTGGAGTCCCCGAGGATGGAGAGCAGCTAGGCTGGTCTTCCAGCCAAGGCTGTAGC
TGTCTCCCAACCACTACAACCACAAAGTGCCAGTCTTATCTCTCCACTCTGAAACACACTCCAGCT
GATGTGCAGCTCATTGGCACAGACTCTCAGGGGAACAAATTCAGCTCTTATCTGAGCATCAGGTACAT
CCTCTGGAGACAAGGACCGACCCCGTGGGTAAAACCAAAGTGTGCCCCACCCCCACCAGTGATGAG
ACTACTGCAGCATCCGTCCACATGCTCAGACCCGAGGAAGAGCCGACTGCCCCACTGCAGGACAGCAC
ACTCCAGAGACCCAGGAGGGAGGAAAAAGGCAGCTCCAGGCCAATGCCAGTAGTGGGAAACCTGGGA
GGCCAGTCATGCCTCCACCTCAAGTGCCTTGGCCACATCTTCCATCTCACCGGCCAAAAATGGCCAAATG
CACAGCAGGTAAGGTGGCCCTGAGGAAAACCAAACAGGCAGCTGAGAAAATCTCAGTGACAAAATC
AGCAAAGAGGCCCTGCTGGAGTGTGCCGACCTACTGTCCAGTGAATCACGGAACCTGTGCCAACAGCC
AACTGGTGGACACTGGGCACCAGCTGCTGACTACTGCTCAGGGTATGTGGACAGCATCCCTCAGCTCG
CAACAAGTTTGCCTTCCGAGAGGCTGTGAGCAAACCTGGAATAGCTTACAGGAGCTGACGGGTGCTTCC
ACAGCTGCTGGTGTGCCTGGGACAAACCCGCTCTTAATAACTTATTGTGTGTGTACAGGAAATTAGCG
ATGTGGTGCAGAGG
    
```

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG225599 representing NM\_001136104

Red=Cloning site Green=Tags(s)

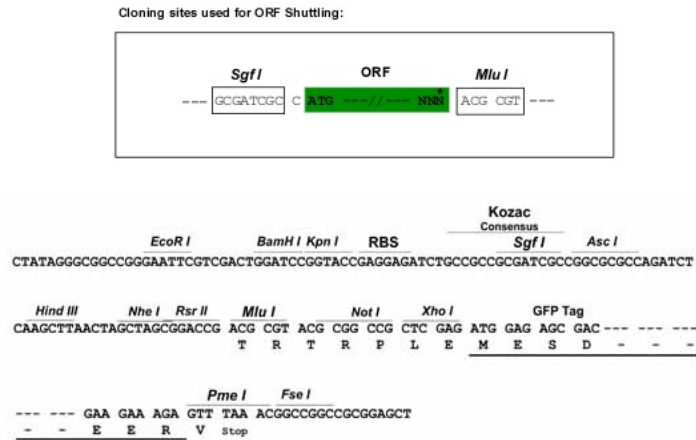
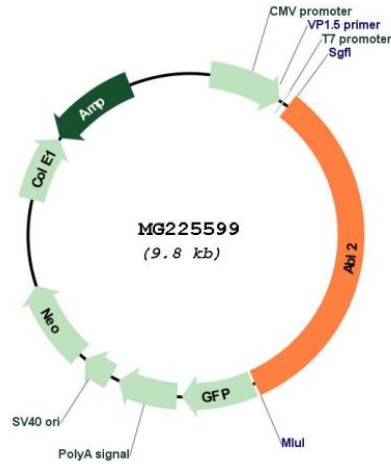
```

MGQVQVGRVGEAPLQQPQPRGIRGSSAARPSGRRRDPAGRTADAGFNVFTQHDHFASCVEDGFEGDKTGG
SSPEVLHRPFGCDAESQALNEAIRWSSKENLLGATESDPNLFVALYDFVASGDNTLSITKGEKLRVLGYN
QNGEWSEVRSKNGQGWVPSNYITPVNSLEKHSWYHGPVRSAAEYLLSSLINGSFLVRESESSPQLSIS
LRYEGRVYHYRINTTTDSKVYVTAESRFSTLAEVHHHSTVADGLVTTLHYPAPKCNKPTVYGVSPIDHK
WEMERTDITMKHKLGGGQYGEVYVGVWKKYSLTAVKTLKEDTMEVEEFLKEAAVMKEIKHPNLVQLLGV
CTLEPPFYIVTEYMPYGNLLDYLRECSREEVTAVVLLYMATQISSAMEYLEKKNFIHRDLAARNCLVGEN
HVVKVADFGLSRLMTGDTYTAHAGAKFPIKWTAPESLAYNTFSIKSDVWAFGVLLWEIATYGMSPYPGID
LSQVYDLLEKGYRMEQPEGCPKPYELMRACWKWSPADRPFAETHQAFETMFHDSSISEEVAEELGRTA
SSSSVVPYLPRLPLLPSKTRTLRKQGENKENLDGGLDAAESLASSAPAGFIRSTQASSGSPALPRKQRD
KSPSSLLLEDAKETCFTRDRKGGFFSSFMKRNAPTPPKRSSSFREMENQPHKKYELTGLPEQDRMAMTLP
RNCQRSKLQLERTVSTSSQPEENVDRANDMLPKKSEEGAAPARERPKAKLLPRGATALPLRAPDPAITES
DSPGVGVAGVAAAPKGERNGGTRLGVAGVPEDGEQLGWSSPAKAVAVLPTTHNHKVPVLSPTLKHTPA
DVQLIGTDSQGNKFKLLSEHQVTSBGDKDRPRRVKPKCAPPPPPVMRLLQHPSTCSDPEEEPTAPPAGQH
TPETQEGGKKAAPGMPSSGKPRPVMPPPVPLPTSSISPAKMANGTAGTKVALRKTQAAEKISADKI
SKEALLECADLLSSAITEPVNSQLVDTGHQLLDYCSGYVDSIPQTRNKFAFREAVSKLELSLQELQVSS
TAAGVPGTNPVLLNNLLSCVQEISDVVQR
    
```

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001136104

**ORF Size:** 3234 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.

<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>	<u>NM_001136104.1, NP_001129576.1</u>
<b>RefSeq Size:</b>	10402 bp
<b>RefSeq ORF:</b>	3237 bp
<b>Locus ID:</b>	11352
<b>Cytogenetics:</b>	1 67.71 cM