

## Product datasheet for **MG221986**

### **Abcf2 (NM\_013853) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Abcf2 (NM_013853) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Abcf2
Synonyms:	0710005O05Rik; Drr3; E430001O06
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221986 representing NM\_013853  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTTCGACCTGGCCAAGAAGAAGGCAGCCAAAAAGAAGGAGGCTGCCAAAGCCCGACAGCGACCCA  
 GAAAGGGACATGAAGAAAATGGAGATGCTGTACAGAACCTCAGGTGGCAGAAGAGAAAAATCGAGGAGGC  
 CAATGGCAGAGAGACCACAGGAGATGGAGAAGTAGATTTGCTGACCAAGGAGCTGGAGGACTTTGAGATG  
 AAGAAAGCTGCTGCTCGAGCTGTACCCGGTGTCTGGCTTCTACCCCAACAGTACTGATGTCCACATTA  
 TCAACCTCTCCCTTACCTTTTATGGTCAAGAGCTGCTCAGCGACACCAAACCTGGAATTAACCTAGGCCG  
 GCGCTATGGCCTCATTGGCTTAAATGGAATTGAAAGTCCATGCTGCTCTCGCTATTGGGAAACGTGAA  
 GTGCCATCCCAGAGCACATCGACATCTACCATCTGACTCGTGAGATGCCTCCTAGCGAAAAACACCTT  
 TGCAGTGTGTGATGGAGGTGGACACAGAGCGGCCATGCTGGAGAGAGAGGCTGAGCGGTTAGCACATGA  
 GGATGCGGAGTGTAAAAGCTCATGGAGCTCTATGAACGGCTGGAAGAGCTGGATGCTGACAAAGCTGAG  
 ATGAGGGCCTCAAGGATCTTACATGGATTGGGGTTCACACCTGCTATGCAGCGCAAGAAGCTGAAAGACT  
 TCAGTGGTGGCTGGCGGATGAGAGTTGCTCTTGCTAGAGCCCTCTTTATTCGGCCCTTATGCTGCTTCT  
 GGACGAGCCTACCAACCCTGGACCTCGATGCTTGTGTGTGGCTGGAAGAGAACTTAAGACTTTCAAG  
 CGCATCCTGGTCTGGTGTCCCATTCCCAGGACTTCTGAATGGGGTCTGTACCAATATCATCCATATGC  
 ACAACAAGAACTCAAGTATTACACGGTAATTATGATCAGTATGTGAAGACACGGCTGGAGTTGGAAGA  
 GAACCAGATGAAGAGTTTCACTGGGAGCAGGACCAGATCGCACACATGAAGAACTACATTGCCAGGTTT  
 GGCCATGGCAGTGCCAAGCTGGCCCGCAGGCCAAAGCAAAGAGAAAAACACTACAGAAAATGATGGCAT  
 CCGGACTGACAGAAAGGTTGTGAGTGACAAGACGCTGTCAATTTATTTCCACCGTGGTAAAGTCCC  
 ACCACCTGTCAATATGGTGCAGAACGTGAGCTTCAAATATACGAAAGACGGGCCTTGCATCTACAATAAT  
 CTAGAATTTGGTATTGATCTTGACACACGAGTGGCTCTGGTAGGACCCAATGGAGCAGGGAAGTCCACTC  
 TGCTGAAGCTGCTAACCGGAGAGCTTCTGCCTACAGATGGAATGATCCGGAAGCATTCTCATGTCAAGAT  
 AGGGCGTTACCATCAGCACTTACAGGAGCAGCTGGACCTTGACCTTTACCATTGGAATACATGATGAAG  
 TGCTATCCAGAGATCAAGGAGAAGGAGGAGATGAGGAAGATCATTGGGAGATACGGCCTCACTGGGAAAC  
 AGCAGGTGAGCCCAATCCGAACCTGTCGGATGGGCAGAAGTCCGAGTGTGCCTGGCTGGCTGGCCTG  
 GCAGAACCCTCACATGCTCTTTCTGGACGAGCCTACCAATCACCTGGACATCGAGACCATTGATGCTCTG  
 GCAGATGCCATCAATGAGTTTGGGGTGAATGATGCTAGTCAGCCATGACTTCAGACTCATCCAGCAGG  
 TTGCACAGGAGATTTGGGTCTGTGAGAAACAGACAATCACCAAGTGGCCTGGAGACATCCTGGCCTACAA  
 GGAGCACCTCAAGTCCAAGCTGGTAGATGAGGAGCCCCAGCTCACCAAGAGGACCACAATGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG221986 representing NM\_013853  
 Red=Cloning site Green=Tags(s)

MPSDLAKKKAAKKKEAAKARQRPRKGHEENGDAVTEPQVAEEKIEEANGRETTGDGEVDLLTKELEDFEM  
 KKAARAVTGVLAHPNSTDVHIINLSLTFHGQELLSDTKLELNISGRRYGLIGLNGIGKSMMLSAIGKRE  
 VPIPEHIDIYHLTREMPPSEKTPQCVMVDTERAMLEREAERLAHEDAECEKLMELYERLEELDADKAE  
 MRASRILHGLGFTPAMQRKLLKDFSGGWRMRVALARALFIRPFMLLLDEPTNHLDLDACVWLEELKTFK  
 RILVLSVHSQDFLNGVCTNIHMHNKLLKYTYGNYDQYVTRLEENQMKRFHWEQDQIAHMKNYIARF  
 GHGSAKLARQAQSKEKTLQKMMASGLTERVVSDKTL SFYFPPCGKIPPPVIMVQNVSFKYTKDGPCIYNN  
 LEFGIDLDRVALVGPNGAGKSTLLKLLTGELLPTDGMIRKSHVKIGRYHQHLQEQLDLSPLEYMMK  
 CYPEIKEKEEMRKIIIGRYGLTGKQQVSPIRNLSGQKCRVCLAWLAWQNPMLFLDEPTNHLDIETIDAL  
 ADAINEFEGMMLVSHDFRLIQVVAQEIWVCEKQTITKWPGDILAYKEHLKSKLVDEEPLTKRTHNV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_013853

**ORF Size:** 1884 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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).

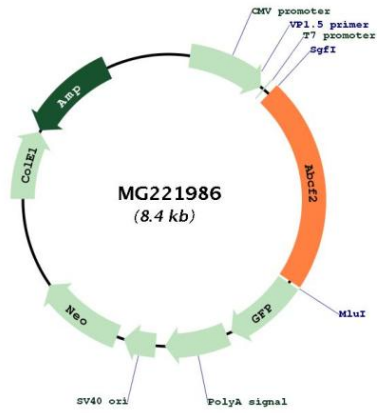
**Reconstitution Method:**

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\\_013853.2](#), [NP\\_038881.1](#)

RefSeq Size: 2573 bp  
 RefSeq ORF: 1887 bp  
 Locus ID: 27407  
 UniProt ID: [Q99LE6](#)  
 Cytogenetics: 5 A3

**Product images:**



Circular map for MG221986