

Product datasheet for **MG209575**

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:

>MG209575 representing NM_013853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTTCGACCTGGCCAAGAAGAAGGCAGCCAAAAAGAAGGAGGCTGCCAAAGCCCGACAGCGACCCA
 GAAAGGGACATGAAGAAAATGGAGATGCTGTACAGAACCTCAGGTGGCAGAAGAGAAAAATCGAGGAGGC
 CAATGGCAGAGAGACCACAGGAGATGGAGAAGTAGATTTGCTGACCAAGGAGCTGGAGGACTTTGAGATG
 AAGAAAGCTGCTGCTCGAGCTGTACCCGGTGTCTGGCTTCTACCCCAACAGTACTGATGTCCACATTA
 TCAACCTCTCCCTTACCTTTTATGGTCAAGAGCTGCTCAGCGACACCAAACCTGGAATTAACCTCAGGCCG
 GCGCTATGGCCTCATTGGCTTAAATGGAATTGGAAAGTCCATGCTGCTCTCGCTATTGGGAAACGTGAA
 GTGCCATCCCAGAGCACATCGACATCTACCATCTGACTCGTGAGATGCCTCCTAGCGAAAAACACCTT
 TGCAGTGTGTGATGGAGGTGGACACAGAGCGGCCATGCTGGAGAGAGAGGCTGAGCGGTTAGCACATGA
 GGATGCGGAGTGTAAAAGCTCATGGAGCTCTATGAACGGCTGGAAGAGCTGGATGCTGACAAAAGCTGAG
 ATGAGGGCCTCAAGGATCTTACATGGATTGGGGTTCACACCTGCTATGCAGCGCAAGAAGCTGAAAAGACT
 TCAGTGGTGGCTGGCGGATGAGAGTTGCTCTTGCTAGAGCCCTCTTTATTCGGCCCTTATGCTGCTTCT
 GGACGAGCCTACCAACCCTGGACCTCGATGCTTGTGTGGCTGGAAGAGGAACCTAAGACTTTCAAG
 CGCATCCTGGTCTGGTGTCCCATTCCCAGGACTTCTGAATGGGGTCTGTACCAATATCATCCATATGC
 ACAACAAGAACTCAAGTATTACACGGTAATTTATGATCAGTATGTGAAGACACGGCTGGAGTTGGAAGA
 GAACCAGATGAAGAGTTTCACTGGGAGCAGGACCAGATCGCACACATGAAGAACTACATTGCCAGGTTT
 GGCCATGGCAGTGCCAAGCTGGCCCGCAGGCCAAAGCAAAGAGAAAAACACTACAGAAAATGATGGCAT
 CCGGACTGACAGAAAGGTTGTGAGTGACAAGACGCTGTCAATTTATTTCCACCGTGGTAAAGTCCC
 ACCACCTGTCAATATGGTGCAGAACGTGAGCTTCAAATATACGAAAGACGGGCCTTGCATCTACAATAAT
 CTAGAATTTGGTATTGATCTTGACACACGAGTGGCTCTGGTAGGACCCAATGGAGCAGGGAAGTCCACTC
 TGCTGAAGCTGCTAACCGGAGAGCTTCTGCCTACAGATGGAATGATCCGGAAGCATTCTCATGTCAAGAT
 AGGGCGTTACCATCAGCACTTACAGGAGCAGCTGGACCTTGACCTTTACCATTGGAATACATGATGAAG
 TGCTATCCAGAGATCAAGGAGAAGGAGGAGATGAGGAAGATCATTGGGAGATACGGCCTCACTGGGAAAC
 AGCAGGTGAGCCCAATCCGGAACCTGTCGGATGGGCAGAAGTCCGAGTGTGCCTGGCTGGCTGGCCTG
 GCAGAACCCTCACATGCTCTTTCTGGACGAGCCTACCAATCACCTGGACATCGAGACCATTGATGCTCTG
 GCAGATGCCATCAATGAGTTTGGGGTGAATGATGCTAGTCAGCCATGACTTCAGACTCATCCAGCAGG
 TTGCACAGGAGATTTGGGTCTGTGAGAAACAGACAATCACCAAGTGGCCTGGAGACATCCTGGCCTACAA
 GGAGCACCTCAAGTCCAAGCTGGTAGATGAGGAGCCCCAGCTCACCAAGAGGACCACAATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209575 representing NM_013853
 Red=Cloning site Green=Tags(s)

MPSDLAKKKAAKKKEAAKARQRPRKGHEENGDAVTEPQVAEEKIEEANGRETTGDGEVDLLTKELEDFEM
 KKAARAVTGVLAHPNSTDVHIINLSLTFHGQELLSDTKLELNSGRRYGLIGLNGIGKSMMLSAIGKRE
 VPIPEHIDIYHLTREMPPEKTPQCVMVDTERAMLEREAERLAHEDAECEKLMELYERLEELDADKAE
 MRASRILHGLGFTPAMQRKLLKDFSGGWRMRVALARALFIRPFMLLLDEPTNHLDLDACVWLEELKTFK
 RILVLSHSQDFLNGVCTNIHMHNKLLKYTTGNYDQYVKTRELEENQMKRFHWEQDQIAHMKNYIARF
 GHGSAKLARQAQSKEKTLQKMMASGLTERVVSDKTL SFYFPPCGKIPPPVIMVQNVSFKYTKDGPCIYNN
 LEFGIDLDRVALVGPNGAGKSTLLKLLTGELLPTDGMIRKSHVKIGRYHQHLQEQLDLSPLEYMMK
 CYPEIKEKEEMRKIIIGRYGLTGKQQVSPIRNLSDGQKCRVCLAWLAWQNPMLFLDEPTNHLDIETIDAL
 ADAINEFEGMMLVSHDFRLIQVVAQEIWVCEKQTITKWPGDILAYKEHLKSKLVDEEPLTKRTHNV

TRTRPLE - GFP Tag - V

Restriction Sites:

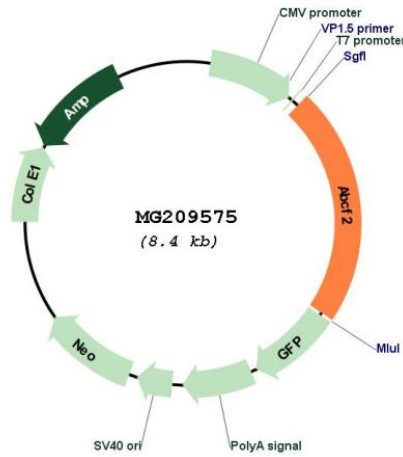
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_013853
 ORF Size: 2570 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 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: 2488 bp

RefSeq ORF: 1887 bp

Locus ID: 27407

UniProt ID: [Q99LE6](#)

Cytogenetics: 5 A3