

Product datasheet for **MG205358**

Acox1 (BC048717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acox1 (BC048717) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acox1
Synonyms:	1200014P05Rik; AV025673
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205358 representing BC048717 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGCCATCCGCTACAGCCACAGCCGAAGGCAATTTGGGCCAAGGACAAGGAAGAAGTGAAGATCA
TTGAGCACAAATGCAGGCACTCAGGCTGATGTCTCACCTGGCCACAGCCCTGGCCGTGACCTTCACAAG
CAGGCATGCAGACGACATCCTGGATGAAGACATCTCCAGGGAAGGGCGCTCACCAACAGTCGCTCGCTA
CAGGCACTGATGGCTGGACTGAAAGCCTACAGTACATGGGAGACTGTTAGCTGCCTACAGGACTGTCGTG
AATGCACCGGAGGCATGGTTACATGATGAAACCAGAATCTCAGACCTGAAATGTGACACAGATGTGTT
TGTAACCTTTGAAGGTGACAATGTGGTCATGCTTCAGGTTGTGGCCCGGAACTGCTGGCCAGTACAGC
AAGCAGCATAAGAAAACTGCTCTTGGGTGTGATCCAGAATGGACAGCAACTGCCGGGACAAGCTGA
GAACCAAGTTTCTGGCGTTTAACTGACACGGTAGGATGTCTTGCCTTTCTGCTGAAAGCAGTGAATTT
TCGAGAAAGGGTTCTTCAGCGGAGTTTGGTGTCCAGAATTTACTATAAGGTGGTGACCAAGAAGGGGGAC
TTCTTCAGTGCCTGGAATCCTGTATGCACCATGTACCTCATTGTCTCTGGCACACATTCACAGAGTTG
CACTAGACAGTTCACGACGGCAGTGAGGCAATGTCCAACAGGGAGGACCAGGCTTTGCTAATGAAGTT
TTGCTGTCTGTATGGAACGAAGCTGGTGTCCAGGAGCGAGGCTGGTACTTAGAACATAAATACCTGACC
CCAAGGCCAGCATGCTGATCAGGGCTCAGTTGCTGAATTTGTGCGAGTCCGTGAAGGATGACGCCCTGA
AGGTGATCTCTGCCTTCAACATTCCACACATCACCATCCGTGCACCAAAAACAGGAATCCCCAACCCCGG
GGCTGCCGAGGCCGCTACCCGGCACCCATGCAACCGCTCGTGCGGGATGCGGCGCGCTCAACTGGCC
AAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205358 representing BC048717
 Red=Cloning site Green=Tags(s)

MIAIRYSHSRRQFGPKDKKEEVKIIIEHQMALRLMSHLATALAVTFTSRHADDILDEDFQGRALTNSRSL
 QALMAGLKAYSTWETVSCLQDRECTGGMGYMETRISDLKCDTDFVVFTEGDNVVMLQVVARELLAQYS
 KQHKKNLLLGVIQNWTATAGDKLRTSFLAFNTDTVGCLAFLLKAVNFRERVLQRSLSVRIYKVVTKKGD
 FFSAWNSCMHVTSLSLAHIHRVALEQFTTAVRQCPNREDQALLMKFCLLYGTKLVFQERGWYLEHKYLT
 PKASMLIRAQLLNLCSVKDDALKVISAFNIPHITIRAPKTGIPNPGAAEAYPAPMQPLVRDAARAQLA
 KL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC048717

ORF Size: 1058 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: [BC048717](#), [AAH48717](#)

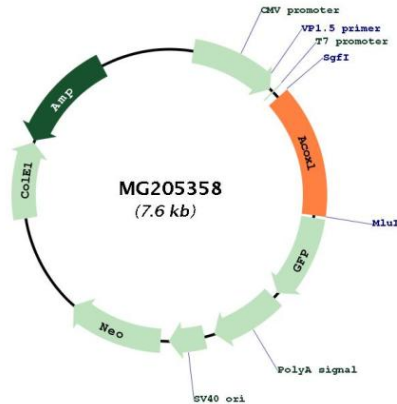
RefSeq Size: 1582 bp

RefSeq ORF: 1058 bp

Locus ID: 74121

Cytogenetics: 2 F1

Product images:



Circular map for MG205358