

Product datasheet for **MG217384**

Abcc10 (NM_145140) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Abcc10 (NM_145140) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Abcc10 |
| Synonyms: | mFLJ00002; Mr; Mrp7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG217384 representing NM_145140 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCTGCGGTCTTCTTTCTTCTTTCTTTCCAGGACTACCAATCACTCCCAGCTCTCAATCCTG
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CAGCTCACTGCCACCAAGGTGTTTACAGCGCTGGCGCTTGTGCGCATGCTCATTCTTCTCTCAACAACT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

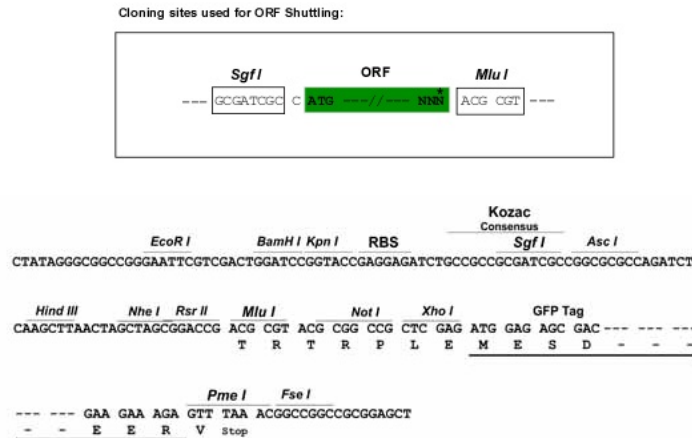
Protein Sequence: >MG217384 representing NM_145140
 Red=Cloning site Green=Tags(s)

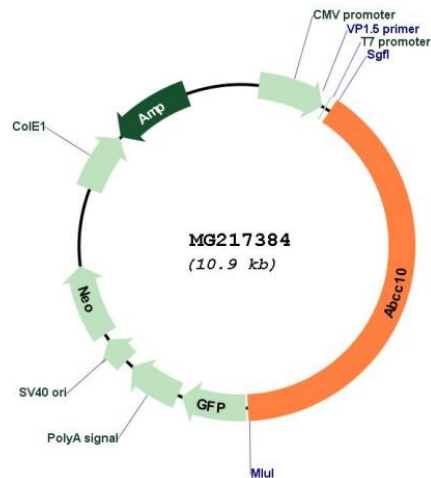
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 LLNFAGSFHEAWGLPLQLAITLYLLYQQVGMFLAGLVLALLVPVNKVIATRIMASNQEMLRHKDARVK
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 HEALFSWDPIGASQKTFISHLQVKKGMLVGI VGVKVGCGKSSLLAAITGELHRLCGWVAVSEL SKGFGLAT
 QEPWIQCATIRDNILFGKTFDAQLYREVLEACALNDDL SILPAGDQTEVGEKGVTL SGGQRARIALARAV
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 PLLSTPLHKAASNGTADVHFYLIVYATIAGVNSLCTLLRAVLFAAGALQAAASLHHRLHRLMAPVTFY
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 ASFRELRRLGSLTWSPLYSHLADTLAGLPVLR AAGATYRFEENQRLELNQRCQFASYATMQWLDIRLQ
 LMGAAVSAIAGIALVQHQQGLANPGLVGLVLSYALSLTGLLSGLVSSFTQTEAMMVSVERLEEYSCDVP
 QEPHSQPLQSPHQQRISWLTQGSVEFQDVVLVYRPLPNALDGVTFRVEPGEKLGIVGRTGSGKSSFLV
 LFRLLPNAGRVLDDNVDTSQLELAELRSQLAVIPQEPFLFSGTIRENLDPQGLHEDRALWQALEQCHLS
 EVAVAMGGLDGELGERGQNL SLGQRQLLCLARALLTDAKILCIDEATASVDQKTDQLLQQTICKRFANKT
 VLTIAHRLNLTILNSDRVLVLQAGRVVELDSPSALRNQPHSLFQQLLQSSQGAHSGPSGC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_145140

ORF Size: 4380 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: [NM_145140.2](#), [NP_660122.1](#)

RefSeq Size: 5472 bp

RefSeq ORF: 4383 bp

Locus ID: 224814

UniProt ID: [Q8R4P9](#)

Cytogenetics: 17 C

Gene Summary: The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). This ABC transporter is a member of the MRP subfamily which is involved in multi-drug resistance. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]