

Product datasheet for **MG217449**

Abca6 (NM_001166556) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abca6 (NM_001166556) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Abca6
Synonyms: 6330565N06Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217449 representing NM_001166556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGAGCTAAGTGTGCACGTGCGCCAGCAGACCCGCGCCCTTCTGCACAAGATTCTGCTCAAGAAAT
 GGCGGAGGAAGAGAGAGAGCTTATTGGAATGGAGCATACCAATTATTATAGGACTGCATATGGGTCTGTT
 TTCCTACTTGGCAAGAAATATTCAGGTCCTCGAAGTCCCTCCTCAGGATCTTGGAACTAAATGAATTT
 AATGGATCTTCTAGTAGTTGTATATACACCGATCTCTAACATAACCCAGCAGATAATGAACAAAACAA
 CATTTGCTCCAATATGAAAGGAACAAGAATCATCGGGTACCAAGTATAGAAGACTTGGATGAAGTTCT
 TCTGCACAATATACCGGACGCTTTAGGAGTCATCTTAATGACAGTTTCTTTACCAATTAAGGTCCTC
 AGGATGTATGAAATCCATTTTTGAAAGAGGACTTATTAGCTCATTGCTGGGATACGCATTCTCAGGCGT
 TCTGTTCACTTTCCAAATACTGGGAAAGAGGCTTCGTAGCTTTACAAACCGCCATTAACGCTGGGATTAT
 AGAAGTCAACAACCAACTCGGTGATGGAGGAGCTGATGTCCATCGATGGGATCAATATGAAGACATTA
 CCTTTCATTCTAGAGATCTTTCGGATTACGAAATTTTATCTTGTCTGCTTGCCTTATTTCTCCTCGT
 TTATATATTTGCATCCAGCAATGTTACTAAAGAGAGAAAACAGTGAAGGAGGTCATGAAAGTCATGGG
 TCTACAAGACTCTGCATTCTGGCTGTCTGGGGCTTAATCTATGTTGGCTTCATCTTTATTTCCATA
 TTCATTGCAATTATCATAACATCTACCCAGATTATAATGATGACTGGTTTCTGGTCATATTTACGCTGT
 TTTTCTTATATGGATTATCCTTGATAGCAGTCACTTTCCTGATGGCTGTTCTGTTGCAGAAAGCTGTCT
 CACAAACCTAATTGACTTTTCTTTACCCTCTTTGGGGTGCCTGGGGTCACTGTACTGCACAAAGAA
 CTACCCCATCTCTGGAATGGGTTCTGAGCATCTTCAGCCCTTTGCCTTACATCTGGGATGGCTAAGG
 TAAACACAGAGGTTATTACTGACGCTTCGAATGGAATTAATCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217449 representing NM_001166556
Red=Cloning site Green=Tags(s)

MKELSVHVRQQTRALLHKILLKKWRRKRESLLEWSIPIIIIGLHMGLFSYLARNIQVLEVPQDLGSLNEF
 NGSSLVVVYTPISNITQQIMNKTTFAPTMKGTRIIIGVPSIEDLDEVLLHNIPDALGVIFNDSFSYQLKVL
 RMYGNPFLKEDLLAHCWDTHSQAFCSLSKYWERGFVALQTAINAGIIEVTTNHSVMEELMSIDGINMKTL
 PFIPRDLSDYEIFILFCLLYFSSFIYFASNVTKERKQCKEVMKVMGLQDSAFWLSWGLIYVGFIFIISI
 FIAIIITSTQIIMMTGFLVIFTLFFLYGLSLIAVTFMLMAVLLQKAVLTNLIVLFFTLFWGCVGFTVLHKE
 LPPSLEWVLSIFSPFAFTSGMAKVNTEVITDASNGINP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001166556

ORF Size: 1164 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_001166556.1](#), [NP_001160028.1](#)

RefSeq Size: 1523 bp

RefSeq ORF: 1167 bp

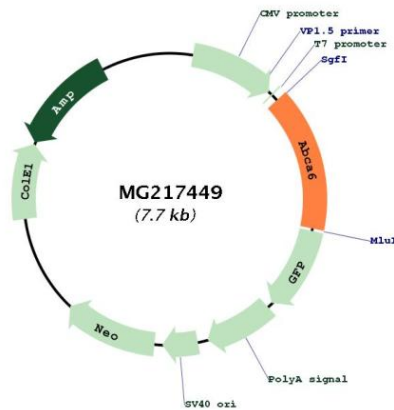
Locus ID: 76184

UniProt ID: [Q8K441](#)

Cytogenetics: 11 E1

Gene Summary: Probable transporter which may play a role in macrophage lipid homeostasis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217449