

Product datasheet for MR217449

Abca6 (NM_001166556) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abca6 (NM_001166556) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abca6
Synonyms: 6330565N06Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR217449 representing NM_001166556
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGAGCTAAGTGTGCACGTGCGCCAGCAGACCCGCGCCCTTCTGCACAAGATTCTGCTCAAGAAAT
GGCGGAGGAAGAGAGAGAGCTTATTGGAATGGAGCATACCAATTATTATAGGACTGCATATGGGTCTGTT
TTCTACTTGGCAAGAAATATTCAGTCCCTCGAAGTCCCTCCTCAGGATCTTGGAACTAAATGAATTT
AATGGATCTTCTAGTAGTTGTATATACACCGATCTCTAACATAACCCAGCAGATAATGAACAAAACAA
CATTTGCTCCAATATGAAAGGAACAAGAATCATCGGGGTACCAAGTATAGAAGACTTGGATGAAGTTCT
TCTGCACAATATACCGGACGCTTTAGGAGTCATCTTAAATGACAGTTTCTTTACCAATAAAAGTCCTC
AGGATGTATGGAAATCCATTTTTGAAAGAGGACTTATTAGCTCATTGCTGGGATACGCATTCTCAGGCGT
TCTGTTCACTTTCCAAATACTGGGAAAGAGGCTTCGTAGCTTTACAAACCGCCATTAACGCTGGGATTAT
AGAAGTCACAACAAACCACTCGGTGATGGAGGAGCTGATGCCATCGATGGGATCAATATGAAGACATTA
CCTTTTCATTCTAGAGATCTTTCGGATTACGAAATTTTTATCTTGTCTGCTTGCCTTTATTTCTCCTCGT
TTATATATTTTGCATCCAGCAATGTTACTAAAGAGAGAAAACAGTGAAGGAGGTCATGAAAGTCATGGG
TCTACAAGACTCTGCATTCTGGCTGTCTGGGCTTAATCTATGTTGGCTTCATCTTTATTATTTCCATA
TTCATTGCAATTATCATAACATCTACCCAGATTATAATGATGACTGGTTTCTGGTCATATTTACGCTGT
TTTTCTTATATGGATTATCCTTGATAGCAGTCACTTTCTGATGGCTGTTCTGTTGCAGAAAGCTGTCTC
CACAAACCTAATTGACTTTTCTTTACCCTCTTTGGGGTGCCTGGGTTCACTGTACTGCACAAAGAA
CTACCCCATCTCGAATGGTCTGAGCATCTTCAGCCCTTTGCCTTCACATCTGGGATGGCTAAGG
TAAACACAGAGGTTACTACTGACCTTCGAATGGAATTAATCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217449 representing NM_001166556
Red=Cloning site Green=Tags(s)

MKELSVHVRQQTRALLHKILLKKWRRKRESLLEWSIPIIIIGLHMGLFSYLARNIQVLEVPQDLGSLNEF
 NGSSLVVVYTPISNITQQIMNKTTFAPTMKGTRIIIGVPSIEDLDEVLLHNIPDALGVIFNDSFSYQLKVL
 RMYGNPFLKEDLLAHCWDTHSQAFCSLSKYWERGFVALQTAINAGIEVTTNHSVMEELMSIDGINMKTL
 PFIPRDLSDYEIFILFCLLYFSSFIYFASNVTKERKQCKEVMKVMGLQDSAFWLSWGLIYVGFIFIISI
 FIAIIITSTQIIMMTGFLVIFTLFFLYGLSLIAVTFMLAVLLQKAVLTNLIVLFFTLFWGCVGFTVLHKE
 LPPSLEWVLSIFSPFAFTSGMAKVNTEVITDASNGINP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

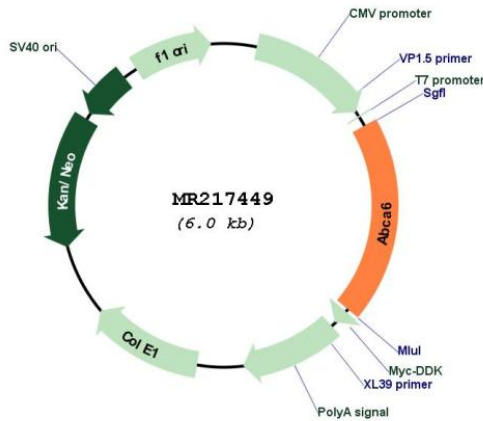
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
MW:	44.5 kDa
Gene Summary:	Probable transporter which may play a role in macrophage lipid homeostasis. [UniProtKB/Swiss-Prot Function]