

## Product datasheet for **MC229508**

### **Abca16 (NM\_001278944) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abca16 (NM\_001278944) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Abca16  
**Synonyms:** AY243472  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229508 representing NM\_001278944  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTTGGAAATGCTTTTGTGGTGGTCTTCTTATACAGCCTTGTACCTGGTATGTAGAAGCCGTCTTTC  
CTGGACAGTGTGGTGTGCTCAACCATGGTACTTTTCTTATGCGCTCATATTGGTTTGGCAAACCAA  
AATTAGAAAGACTACAGAAGAGGCAAAGTGCACCCCATAGTACATAACTGCTATGAGGCTGAACCTCCC  
AACTTGGAGGCAGGAATCCATATCATGCAATTTGCACAAGGAATTTAAAAACAAACCTGCAGTAAACAAC  
TGTCACCTGAACATATATGAGGGGAGGTCAGTCTTCTTCTGGGACACAATGGGGCAGGAAAGACCACAAC  
CCTGTCTGTTCTCACAGGTGTGTATCCATATGCATCCAGGGTAAAGGCCTATATTAATGGATATAACATT  
TCAGATAACATGATTGAAGTTAGAAAAGACTTGGGTTTCTGCCACAACACGACCTATTGTTTGACGATT  
TGACATTATCAGAACCTTTTTTCTACTGTATGGTAAAAGGAATACCTCAAAACATAAACTGTGAGGA  
AATTGACCGTATGCTGTCAGCTTTAACCTGCAAGAAAACCTACCATACATTATCAGGTTCCAGCGAGTGGA  
GGAGTGAGACGCAAACCTCTATCGTTTTAGCACTTATGGCGGGCTCCAAGGTAGTGATACTTGATGAGC  
CATCATCCGGCATGGACCCAGTGTCAAGAAGACCACCTGGGATATCCTTCAGCATTATAAACACAATCG  
AACCATTTTACTGACCACCCACTACATGGATGAAGCTGACGTCTGGGTGACCGTGTGGCCATCATGGTC  
AGGGGCACCTTGCACTGCTGTGGCTCTTCACTTCTCTGAAACAATATATGGTGTGGATATCACATCG  
TCATGGAGAAGCAACAATATTGTGATGTTGATAATATCATTGCAATGATTGAGCAGCATGTTCCAGGTGC  
TGTGTTGGAAAATAATATAGAAAATGAATTATCATTATCCTACCCAAAAAGTATGTATCAAGATTTGAA  
ACTTTGTTTACAGAGTTAGAAATGAGACAAAAGCACTAGGCATTGCCAGCTTTGGAGCTTCGATCACTA  
CAATGGAAGAGGTTTTTGTAAAGTCAATAAGCTGGCAACTCCTCAAAAGAGTATTCAAACATCCAACC  
ATATTACTTGGCATAACAGAAAGATGAGACAAGATGAGCAGCAGAATGTGAATATGCCATAAATTATAGC  
AAACCAAAATTTCCCTATTTGAGTGAAATGCTACTGTAAATTTAACTGGGGTTCCTTTACCCTG  
AGCAATTCATTCCCTGTTTATAAAAAGAGCACTATTCATTAGCCGCAACTGGAAGTTTCATGCTACTGCA  
GATAATAGTAGTTATGGTTGTCACATACCTCTTATTAGCTCTGCATTTAAATAAATGATATACCT  
GAAAGGGAAGTGAATTTGAGTCACTATGGTAGAACCTTGTACCTTACTCAACTCAGGGAATTCGATT



TGGCTCTGAATCTCACAAGAACCTGAATATTTTTCTAAAGTCAAAAAATCAAACTTAAGAAAAAAG  
 AGGTGATGAATGATTACATATAAAAATAAGATTGTACACCTTCTGCCTTGTGCACTTTCTATT  
 AAAGTTGAGAGAAATAAACAGTGCTCACTATTTCTTCAATAATGAAGCATACCACTCACCTGCAATAT  
 CTCTGTCAATATTAGACAACATTTCTTTTATGACACTTTCTGGCCCTGATGCTTCCATTACTGTCTTCAA  
 TAAGCCGAACCTCTCCCTCATTACGGTTCGAACATAGTGCTGTAATGGATTGCAAAATAGTACAGTGT  
 TTAGCTTTTGGCATTCTGTGGTGGTCCGGTCTTTAGTATCCAGACAGTAACTGAAAGAACCAGCCAAG  
 CCAAGCACATCCAGTTTCTGACTGGAGTCTGTGTCATACTTACTGGCTCTCTGCCTTGTGTGACCT  
 CATCTTCTTCTTCTTGCCTGCTGTACTACTGGCCATATTTAAATTCTGCCAGCTGGAGGCATTTGTC  
 GTGCATTACAACCTTCTGGACACAATTCTGATCTTTATGCTTTATGGCTGGTGTGTTGTTCTCTCACTT  
 ATATTGCAAGCTTCTGTTCATAGTAGCACTGCTGCCTACATCAAAATCACGCTCTTTAACTACTTCTC  
 AACTATGTTCAAGTATCATCATTTACACTATCATACAATTTATGGTAATGACTTTCCTAACTTTGTCCAC  
 ATCCTCATAAGGGCAATTTTATGATGGCATTGCTAGTTACAACCTTGAATGAGTATCAGCAAGTATTTTG  
 ATGACTATGAGGTGAAAAGATTGTGTGCTAGGGAATTCAAAAGCATTACTTGGATTGCAGTGACCCATA  
 CACTCAGAACAACGTGTATGGCTTTGGAGAGCATGGGATTGGGAAGTTTCTAATCACACTGGCTACCATT  
 GGCTTGGTTTTCTCCTTGTCTTTTACTGAGTCTGTTTCTGTAGTCTGAAGAGCTTTGTCTTTC  
 GAAACATTATCTTTTATTCTACAATAAGCTCAGAAAAGGCAGGAATGCTATACCATCTAATCAGAGAAC  
 CAAAGAAGATGAAGATGAAGACATAAAAAAGAAAAGGAAAAGTCTTCACACTGCTGCTCAGGTTACAG  
 AACACCCCACTGCTCCTTAATGAAGTTACAAGATTTATTTAAGTGTCTGTTGTCAAGGCTGTGAAAA  
 ATATCTCCCTTGTAGTCAAGAAGTCGGAGTGTCTTGGATTGCTTGGATTAACCGGAGCAGGAAAACTAC  
 TACGTTCAAAATGCTGACCGGAGAAGAGACTATCACCTCCGGAATTGCGTTTATTGATGGCAATAGTGT  
 ACTAGAACCCCAAGAAAGATTAGGTCAAGAATTGGTACTGTCTCAGACTGAATCTGTGCTGAACCACA  
 TGACAGGCCGGGAATCATTGGTCATGTACGCTAGGTTGTGGGGCGTCTAGAGCAAGACATTAATGAGTA  
 TGTGGAAGCCTTCTGCATTCAAGTGCACCTGGAACCCATTGCTGACCAGTTTATCCACACGTACAGTGT  
 GGAAGCAAACGTAGGCTAAGCACTGCTATCGCCCTAATGGGAAAGTCTTCAAGTTGTCTTCTGGATGAAC  
 CATCTATTGGCATGGACCAAGTACTCAGCATCTGCTCTGGGAAACAATTACATGGATCTGTAAGACTGG  
 TAAAGCTATCATAAATTCCACAGAATGGAAGAATGTGAGGCCCTGTGACTAGGCTGGCCATCATG  
 GTGAAAGGGAGGTTTACATGCCTAGGCACCCCCAGCATGTCAGAAAGAGGTTTGGTTCATGTATACACTC  
 TAACAGTAAGAATCAATATTGCTAAGGATGAAGATAAAGTAGAAGAGTTCAAAAATTTTATTAAAGTAAC  
 TTTCCAGGTAACATCAAATCCAGGAATTTATGGGACTATTGGCTACTATTTCCAAGCAAGGAAATC  
 TACTGGGAAAGGATTTGCAATTTTGGAGGAAGCTAAAGTGTCTTCAAGTTAGAAGACTATTCTGTCA  
 AACGAGTAACCCTTGAACAAATCTTCTGACCTTCGCTAATACTGATAAAATGAGAACGTATCAGGAAAT  
 AAAGCTGCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-MluI

**ACCN:**

NM\_001278944

**Insert Size:**

3723 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:**

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001278944.1](#), [NP\\_001265873.1](#)

**RefSeq Size:** 5082 bp

**RefSeq ORF:** 3723 bp

**Locus ID:** 233810

**Cytogenetics:** 7 F2