

Product datasheet for **MC229654**

Abca3 (NM_001039581) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abca3 (NM_001039581) Mouse Untagged Clone
Tag: Tag Free
Symbol: Abca3
Synonyms: 1810036E22Rik; ABC-C; Abc3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229654 representing NM_001039581
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGTGCTGCGGCAGCTCACCTCCTACTCTGGAAGAACTATACCCTGAAGAAACGGAAGTTCTAG
 TGACAGTCCTGGAGCTCTTCTGCCCTGCTGTTTTCTGGGATCCTGATTTGGCTTCGTTGAAGATCCA
 GTCGGAGAATGTCCCAATGCCACTGTTTACCCGGACCAGTCCATCCAGGAGCTGCCCTGTTTTTCTCA
 TTCCCTCCACCTGGGGGACCTGGGAGCTCGCCTATGTCCCTTCCACAGCGATGCTGCCAGGACCATCA
 CGGAGACGGTGAAAAGGGAATTCATGATCAAGATGAGAGTGCACGGCTTCTCCTCTGAGAAGGACTTCGA
 GGACTACATTCGCTATGACAACCACTCCTCCAGCGTGGTGGCAGCTGTGGTATTTGAGCAGACTTCAAC
 CACAGCCAGGACCCCTGCCGCTGGCGGTGAAATACCACCTGCGCTTCAGTTACACACGAAGAAATTACA
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 TTCCTGGCCATGCAACATGCTGTAGACAAAGCCATCATGCGTTACCATGCCAACACCTCTGCACAGCAGC
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 TGCCATCCAGTACCAGTTCCCTGCTGCTCATGCTGAGTTTACCTACACCTCCCTCACCATCATCCGG
 GCTGTGGTGCAGGAGAAGGAGAAAAAATAAAGGAGTACATGCGCATGATGGGGCTTAACAGCTGGCTAC
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 ACGACAATTTCTGCTTTGACAAGTGTGGGGATGCTGCTGCTGGACTCAGCACTCTATGGCCTGGTGAC
 CTGGTACGTGGAGGCTGTCTTCCAGGCCAGTTTGGCGTACCCAGCCCTGGCACTTCTTCTTATGCC
 TCCTACTGGTGTGGGAACCCAAGAACTGTCGTAGGGAAGGAAGAGGAAGGCAGCGACCCAGAGAAAGCTC



TCAGGAACGAGTACTTTGAAGCCGAGCCAGAGGACTTGGTAGCTGGAATCAAGATCAAGCATCTCTCCAA
 GGTGTTCCAAGTGGGCAATAAGGACAAGATGGGCATCAGAGACCTGACCTGAACCTCTACGAAGGACAG
 ATAACAGTCTCTGGGCCACAATGGTGTGGGAAGACCACGACCATGTCTCTGTGACAGGCCTCTTCC
 CCCCTACCAGTGGACATGCTTATATTATGCGGTACGAAATTTCCCAAGACATGGCTCAGATCCGCAAGAG
 TTTGGGCTGTGTCCCAGCATGATGTACTGTTGACAACCTGACAGTTGCCAACATCTTACTTCTAT
 GCACAGCTGAAAGGCCTCTCTCCAGAAGTGTCTGAGGAAGTCAAGCAGATGCTACACATCCTCAGCC
 TGGAGGACAAGCGTGACTTACGGTCCAAGTTCTGAGTGGGGGCATGAAGCGCAAGCTCTCCATTGGCAT
 CGCCCTCATAGCGGGCTCTAAGGTGCTGATGTTAGATGAGCCACCTCAGGCATGGATGCAGTGTCCAGA
 AGGGCCATCTGGGACCTTCTCCAGCAGCAGAAGAGTGACCGCACCGTCTCTGACCACCTCACTTATGG
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 TGACCTGCCTCACCTGGCCCTCTGGCTATCCACTACACCTCAGAGATCTTGTGACCTCTCTGAA
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 CAGCTGTCTGAGAATCTAAGGGACATGCTGCAGGCTGAGAGGCAGGAGCCCGGGAAGTGTAGGTGACC
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 GCCACTGCCCTGGCCATCGTGGACAACCTTCTGTTCAAGCTATTGTGTGGCCCTCAGGCCTCCATTGAGA
 TCTCCAACACCCCGAGCCCGGAACACCTGCAGGTGCGCAAGGACCACTTCAATGAGGGCCGGAAGGG
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 AGTGAGAGGGCCGTCCAGGCCAAGCAGCTTCAAGTTGTGAGCGGTGTCCATGTGGCTACTTTCTGGTTCT
 CCGCTCTGTTGTGGGACCTCATCTCCTTCTCGTCCCAGTCTACTACTTCTGGTGGTGTCCAAGCCTT
 CAATGTGCACGCCTTACGAGGGATGGTACATGGCTGACCTGCTGCTGCTCATGCTCTACGGCTGG
 GCCATCATCCCCCTCATGTACCTCATGAGCTTCTTCTTCTCGGCTGCGTCCACAGCTTATACCAGGCTGA
 CCATATCAACATCCTGTGGGCATCGTACCTCATCATGGTCACTATCATGCGTATCCCAGCTGTGAA
 GTTAGAAGAACTTCCAGAACCTTAGATCATGTGTTCTTGGTGTGCCAAACCACTGCCTGGGGATGGCG
 GTCAGCAACTTCTATGAGAACTATGAGACTCGGCGATACTGCACTTCTCAGAGCTTGTGCCCACTACT
 GCAAGAAGTACAACATCCAGTACCAGGAGAGCTTCTATGCCTGGAGCACCCAGGCGTGGGCAAGTTTGT
 GACTTCCATGGCTGCCTCAGGGGCATCTACCTCACCTGCTGTTCTCATTGAGACCACTGCTGTGG
 CGACTGAGAACCTTCACTGTGCCTTCCGGAGGAGGTGGACTCTGGCAGAAGTGCAGAACCGGACATCAG
 TGCTGCCCCGAGGACCAGGATGTAGCTGAGGAGAGGAGCCGAATCCTGGTCCCTAGCTTGGACTCCATGT
 CGACACACCACTGATCATCAACGAGCTTCCAAGGTGTATGACCAGCGAGCACCGCTCCTTGGCGTGGAC
 AGGATCTCCCTTGGGTCAGAAAAGGGAGTGTCTCGGCCTGTTGGGTTTCAATGGAGCTGGAAAAACCA
 CAACATTCAAAAATGCTGACTGGGGAGGAGACCATCACCTCAGGGGATGCCTTTGTTGGTGGTTACAGCAT
 CAGTTCTGACATCGGGAAGGTGCGGCAGCGGATGGGCTACTGCCCCAGTTTGTGCACTGCTTGTATCAC
 ATGACTGGCAGGGAGATGCTGGTTATGTATGCACGGCTCCGAGGCATCCCAGAGCGGCTCATCAATGCCT
 GTGTGGAGAATACTCTGCGGGTCTGCTGCTGGAACCGCACGCCAACTAGTCAAGACTTACAGTGG
 TGGTAACAAACGCAAGCTAAGCACTGGCATTGCCCTCATTGGAGAGCCTGCAGTCATCTTCTGGATGAG
 CCATCGACCGGCATGGACCCAGTGGCCCGGCTACTCTGGGATACTGTAGCCCGGGCCGAGAGTCTG
 GCAAAGCCATTGTATCACCTCCCACAGTATGGAGGAGTGTGAAGCCTTATGTACCAGGCTGGCCATCAT
 GGTACAGGGCCAGTTCAAGTGCCTGGGAGCCACAGCACCTCAAGAGCAAGTTTGGCAGCGGCTACTCC
 CTGCAGGCCAAGGTCCGGAGCGAGGGGAAGCAAGACGCGCTAGAGGAGTTCAAGGCCTTTGTGGACCTGA
 CCTTCCCAGGCAGCATCCTAGAAGATGAGCACCAAGACATGGTCCATTATCATCTGCCTGGCTGTGACCT
 CAGCTGGGCCAAGGTATTTGGTATCCTGGAGAAAGCAAGGAGAAGTATGGAGTGGATGATTACTCTGTG
 AGCCAGATCTCCCTGGAGCAGGTCTTCTGAGCTTTGCCACCTACAACCCCCACCCTGAGGATGGCC
 GGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001039581
Insert Size:	5115 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:	<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:	<u>NM_001039581.2</u> , <u>NP_001034670.1</u>
RefSeq Size:	6442 bp
RefSeq ORF:	5115 bp
Locus ID:	27410
UniProt ID:	<u>Q8R420</u>
Cytogenetics:	17 A3.3
Gene Summary:	Plays an important role in the formation of pulmonary surfactant, probably by transporting lipids such as cholesterol.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an internal exon in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.