

Product datasheet for MR231865

Abca3 (NM_001039581) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abca3 (NM_001039581) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abca3
Synonyms: 1810036E22Rik; ABC-C; Abc3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR231865 representing NM_001039581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGTGTGCGGCAGCTCACCTCCTACTCTGGAAGAACTATACCCTGAAGAAACGGAAGTTCTAG
 TGACAGTCTGGAGCTCTTCTGCCCTGCTGTTTTCTGGGATCCTGATTTGGCTTCGTTGAAGATCCA
 GTCGGAGAATGTGCCAATGCCACTGTTTACCCGGACCAGTCCATCCAGGAGCTGCCCTGTTTTCTCA
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TCCTACTGGTGTGGGAACCCAAGAACTGTCGTAGGGAAGGAAGAGGAAGGCAGCGACCCAGAGAAAGCTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>MR231865 representing NM_001039581
Red=Cloning site Green=Tags(s)

MAVLRQLTLLWKNYTLKRRKVLVTVLELFLPLLFSGILIWLRLKIQSENVPNATVYPDQSIQELPLFFS
FPPPGGTWELAYVPSHSDAARTITETVKREFMIKMRVHGFSSSEKDFEDYIRYDNHSSSVLAADVFEHSFN
HSQDPLPLAVKYHLRFSYTRRNYMWTQTGNIFLKETEGWHTTSLFPLFPSPGPREPSSPDGGEPGYIREG
FLAMQHAVDKAIMRYHANTSAQQLFQKLMVITKRFPFPYISDPFLIAIQYQLPLLLMLSFTYTSLTIIIR
AVVQEKELKKEYMRMMGLNSWLHWSAWFLMFFLFFLI VVSFMTLLFCVKVKKDIAVLSNSDPSLVLAFL
LCFAISSISFSFMVSTFFSKANIAAAVGGFLYFFTYTPYFFVAPRYNWMTL SQKLLSCLLSNVAMAMGAQ
LIGKFEAKGTGIQWRDLLNPVNVDNFCFGQVLMGMLLLDSALYGLVTWYVEAVFPQGFVGPQWFFLMP
SYWCGNPRTVVGKEEGSDPEKALRNEYFEAEPEDLVAGIKIKHLSKVFQVGNKDKMGIRDLTNLNLYEGQ
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AQLKGLSLQKCPPEEVKQMLHILSLEDKRDLSKFLSGGMKRKLSIGIALIAGSKVLMDEPTSGMDAVSR
RAIWDLLQQKSDRTVLLTTHFMDEADLLGDRIAILAKGELQCCGSSLFLKQKYGAGYHMTLVKEPHCNP
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MFLKKAAYSREWKMVAQVLVPLTCLTLALLAIHYTSEIFDDPLLKLSLNEYGRTVVVPSVPGTSRLAQ
QLSENLRDMLQAERQEPREVLGDLEEFVFRASVEGGFNERCLVATSFKDRGELTVVTALFNNQAYHSP
ATALAIVDNL LFKLLCGPQASIEISNYPQPRNTLQVAKDHFNEGRKGFDIALNLLIAMAFLASTFSILAV
SERAVQAKHVQFVSGVHVATFWFSALLWDLISFLVPSLLLLVVFQAFNVHAFTRDGHMADLLLLMLYGW
AIIPLMYLMSFFFSAASTAYTRLTIFNILSGIATFIMVTIMRIPAVKLEELSRITLDHVFLVLPNHCLGMA
VSNFYENYETRRYCTSSELAHHYCKKYNIQYQESFYAWSTPGVGK FVTSMAASGGIYLTLLFLIETNLLW
RLRTFICAFRRRWTLAELQNRTSVLPEDQDVAEERSRILVPSLDSMLDTPLIINELSKVYDQRAPLLAVD
RISLAVQKGEFCGLLGFNGAGKTTTFKMLTGEETITSGDAFVGGYSISSDIGKVRQRMGYCPQFDALLDH
MTGREMLVMYARLRGIPERLINACVENTLRGLLLEPHANKLVKTYSGGNKRKLSIGIALIGEPAVIFLDE
PSTGMDPVARRLLWDTVARARESGKAIIVITSHSMEECEALCTRLAIMVQGQFKCLGSPQHLKSKFGSGYS
LQAKVRSEGKQDALEEFKAFVDLTFPGSILEDEHQDMVHYHLP GCDLSWAKVFGILEKAKEKYGVDDYSV
SQISLEQVFLSFAHLQPPTTEDGR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001039581

ORF Size: 5112 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_001039581.2](#), [NP_001034670.1](#)

RefSeq Size: 6442 bp

RefSeq ORF: 5115 bp

Locus ID: 27410

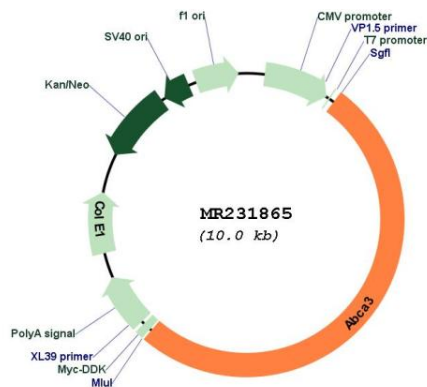
UniProt ID: [Q8R420](#)

Cytogenetics: 17 A3.3

MW: 192 kDa

Gene Summary: Plays an important role in the formation of pulmonary surfactant, probably by transporting lipids such as cholesterol.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231865