

Product datasheet for RN202118

Abca17 (NM_001031637) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Abca17 (NM_001031637) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Abca17
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN202118 representing NM_001031637
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCCGTTCAAGAAGTTAAACTTCTTCTCTGGAAGAACTTCGTCTTAAAGAAGCGGAAGACTCTGG
 TAACTGTCCTGGAAACGTTGATGCCAGTACTGTTTTCTGCAATTGTATTGTATCTTCGTTTGAATAGTAT
 GCCAAGAAACAAGGCAAACACCAACTACCCGGCAGTCGATGTCAGCTTACTGCCAGTATATTTCCACAAC
 TACCCTCTGAAAAGTAAATTTTCAGTTGGTTTATATCCCTTCCAAGAGCGAAACCTGAAAGCCGTTACTG
 AAGTGGTGGAGCAAACCTTCGCCGTTGACTTTGAAGTTCTAGGCTTCCCTTCAGTGTCTTATTTGAAAA
 CTATATCATTAAAGGATCCCAAGTCTTTCTACGTCTGGTGGGAATTGTTTTTACCATGACTTCAATAGC
 AGCAATGAACCGTTGCCACTTGTGGTGAAGTATGACTTGCCTTCAGTTATGTCCAGAGGAACTCTATAT
 CCCC GCCGAGGCATCTGTTTTTCAAGAGGATATAGAAGGCTGGTGCACGGCCTTTCTTTACCCTCCCAA
 TCTAAGCCAAGCACCCCGGAATTTTCATACGCCGATGGGGACACCCTGGATACAACAAAGAAGGCTTC
 CTGGCAATACAGCATGCCGTAGACAAAGCCATCATGCTGCACCATGCTCCCAAAGCAGCACTGGACATGT
 TTAAGAATCTCCAGGTCTCGGTGCAGAGATTCCCATCTGGGTCCCATATCCAGGACCCCTTCTAGTGAT
 CCTTCAGAATGAGTTCCTCTGCTCCTCATGCTCAGCTTCATCTGTGTTGAGCTCATAATCACC AATTCC
 ATCTTGTGGAGAAGGAGAGAAACAGAAGGAATATATGATTTGATGGGACTGGAGAAGTGGCTGCACT
 GGGTGTGGTTCATCACGTTCTCTTTCCGCTTAGTACTGTTCCGGTATGACGGTCTCTTTTG
 CACAAAGATGAACGGTGTGGCTGTGTT CAGGAACGTAACCCTACCCTGATATTTATTTTTCTAATGTGT
 TTTGCCATCGCCACAATTTTCTTTGCATTATGATGAGCACATTTCTTCAAAGAGCCACGTAGGAACTG
 TGATAGGCGGCATCGTCTTCTTTCACCTACCTCCCTACATGTACATCACTTTCAGTTACCACCAGCG
 GACTTACTCCCAGAAGATACTCTTGCCTCTTCTCCAATGTTGCCATGGCAATGGGAGTCCGGTTCATC
 TCTCTGTTTGAAGCGGAAGGCACAGGCATCCAATGGAGGAACATGGGCAGCGTCTGGGGCAGCTTCAGCT
 TCACTCAGGTGCTGGTATGCTCTTGTGGACTCCTTCTGTACTGCCTGGTAGCCTTTTTGGTGGAGTC
 TCTCTTCCAAGAAAGATCGGAATGCCTAAGTCTTGGTACATCTTTGCCAAGTGTCCCCTCTGGCGCAAG
 AAGTCCTTCCAGTAATACCGCACTGTTGGTTATTGGGATCCTGAGAAAACCTTCTAAAGGGGACTTCC
 TGCAGGACGAGCCAGCAGGTACATAAACGCCATCGAGATCCAGCATCTGTATAAGGTGTCTATACAGG



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AAGGAGTAAATGCATAGCTGTCAAAGATCTGAGCATGAACCTGTACAAGGGACAGATCACAGTTCTTCTG
 GGACACAATGGAGCAGGAAAACTACTGTCTGCTCCGTTCTGACAGGTCTTATTCTCTTCAAAAGGAC
 ACGCGTATATCCATGGCTGTGAGATCTCGAAAGACATGGTTCCGGATCAGGAAGAAGCTGGGCTGGTGCC
 ACAGCATGACATCTTGTGATAAATTCACGGTAACCGACCATCTTTATTTCTACGGTCAGTTGAAAGGC
 CTGTCTCACCAGGACTGTATGAGAAAAAGAGGAGATGCTGCACACCCCTCGGCTGGAGGACAAGCGGA
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 CCACTCTGCTGCTGGTGTGGTGTTTTTTGGTACAAGGAAGAAGCTTTTGCACACCCCCAGAGCATCCC
 GCGGCTGGTCTTGATAATGATGCTGTACGGCTGGGCTATCATCCCTTTGGTCTACACAGTCAGTTTCTCT
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 TTTTGCAATGCTAAGAAGTGTAGTGACATTGACTGCAATGATGTTTTAGAAAGGATATGTGGTCCAAAAGA
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 AAAACATCAAGTATCATTGGATACACTGATAAAGAAAAGTCCACTTGTGCTTAAAGAATTGTCAAAGGT
 CTATAAAGAGAAGGTGCCCTGTTGGCTGTGAACAAGGTGCTCTTGTGCTTAAAGAAAAGAATGCTTT
 GGCTTCTTGGCTCAATGGAGCTGGGAAGACGTCATTTTCAACATGCTGACCAGGGAGCAGCCCATCA
 CTTAGGGGATGCCTTTGTCAAGGGTTTCAACATCAGGACTGACATGGCGAAGGTGCAGCAGTGGATTGG
 TTAAGTCTGAGTTTGTGATGCCCTGCTAAACTTCAAGAGGAAAGAGAGATGCTTGTATGCATGCCCGT
 ATCCGGGGCATCCCCGAGTGCCACATCAAAACCTGTGTGGACATGATCCTTGAGAACTTACTCATGTGCG
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 CCTCGGAGAGCCACGGTCATCTGCTAGACGAGCCATCCACTGGCATGGACCCTGTGGCTCGGCGCCTG
 GTGTGGGATGCTGTGGGACGGTCCGTGAGTCTGGCAAGACCATGTCATCACCTCTCACAGTATGGAGG
 AGTGTGAAGCCTTATGTACCCGGCTGGCCATCATGGTACAGGGCCAGTTCAAGTGCCTGGGACGGCCGA
 GCACCTCAAGAGCAGTTTGGCAGCGGCTACTCCCTGCAGGCCAAGGTCCGGAGGAAATGGCAGCAGCAG
 ATGCTAGAGGAGTTCAAGGCATTTGTGGACCTGACCTTCCAGGCAGCAGTTTGGAGGACGAGCACCAAA
 GCATGGTTCAGTACTACCTGCCGGCCAAAACCTCAGCTGGGCCAAGGTGTTGGCATCATGGAACAAGC
 CAAGAAGGATTACGTGTTGGAAGATTACTCCATCAGCCAGTTATCCCTGGAGGACATCTTCTGAGCTTC
 ACCAGACCCGTGCCTGACACTAAAGAAAACATCCAACAAGGGCAAGCTGCCCTAGACAGCTCCTTATCAC
 CCTCTAACTCTAGGCCTATCTCAAGTCTCCCTCAAGTCTCCCTCAAGTCTCCCTCAAGTCTCCCTC
 ACGACCTCCCTCAGTCTTCTCAGCCTCCCTCAGTCTCCCTCAGACATCCCTCAAGTCTTCTCAG

CCTCCCTCACGTCTCCCTCACGACATCCCTCAAGTCCTTCTCAGCCTCCCTCAGAGCCTGTCCTTCTGT
AA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_001031637
Insert Size:	5322 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).
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_001031637.1, NP_001026807.1</u>
RefSeq Size:	5322 bp
RefSeq ORF:	5322 bp
Locus ID:	287112
UniProt ID:	<u>E9PU17</u>
Cytogenetics:	10q12
Gene Summary:	Promotes cholesterol efflux from sperm which renders sperm capable of fertilization. Has also been shown to decrease levels of intracellular esterified neutral lipids including cholesteryl esters, fatty acid esters and triacylglycerols.[UniProtKB/Swiss-Prot Function]