

## Product datasheet for **RR202118**

### Abca17 (NM\_001031637) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abca17 (NM\_001031637) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Abca17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202118 representing NM\_001031637  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

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GGACACAATGGAGCAGGAAAACTACTGTCTGCTCCGTTCTGACAGGTCTTATTCCTCCTTCAAAAAGGAC  
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**Protein Sequence:**

>RR202118 representing NM\_001031637  
Red=Cloning site Green=Tags(s)

MAPFKKLKLLWKNFVLKRRKTLVTVLETLMPVLFSAIVLYLRLNSMPRKNKANTNYPAVDVSLLPVYFHN  
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SNEPLPLVVKYDLRF SYVQRNSISPPRHLFFQEDIEGWCTAFL YPNLSQAPREFSYADGGHPGYNKEGF  
LAIQHAYDKA IMLHHAPKAALDMFKNLQVSVQRFPSSGSHIQDPFLVILQNEFPLLLMFSICVELIITNS  
ILLEKERKQKQEMYLMGLENWLHWVAWFI TFFLSALVTVSGMTVLFCTKMNGVAVFRNSNP TLIFIFLMC  
FAIATIFFAFMMSTFFQRAHVGTVIGGIVFFFTYLPYMYITFSYHQRTYSQKILSCLFSNVAMAMGVRFI  
SLFEAEGTGIQRNMGSVWGDFFSFTQVLVMLLLDSFLYCLVAFVLESFPRKIGMPKSWYIFAKCPLWRK  
KSFPVIPP LLVIGDPEKTSKGF LQDEPAGHINAIEIQHLYKVFYTGRSKCI AVKDL SMNLYKGGQITVLL  
GHNGAGKTTVCSVL TGLIPPSKGHAYIHGCEISKDMVRIRKNVWCPQH DILFDNFTVTDHLYFYGQLKG  
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VIYHHIPNAILESRI GEEMIFTLPKKAMP RFEALFADLEQRQTELGISTFGASVTMEEVFIRVCKLADP  
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FKTPGSGCVKL VAMLTFLSISPVVLTVTSEIDLGYTELSDTL DHIIFLIFPGHCLGMAFSNLYNFEIKK  
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CKQKLRMLLNVTGA EDEDVLEEAENIKYHLDTL IKKSPLVVKELSKVYKEKVP LLAVNKVSFVVEKECF  
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MLEEFKAFVDLTFPGSSLEDEHQSMVQYYPGQNL SWAKVFGIMEQAKKDYVLE DYSSISQLSLEDIFLSF  
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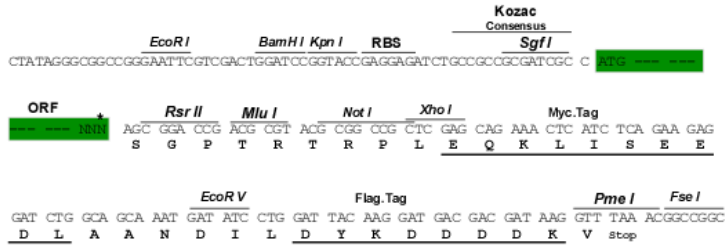
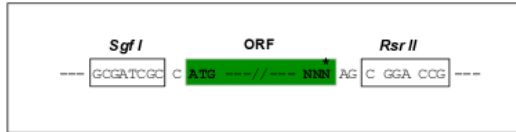
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

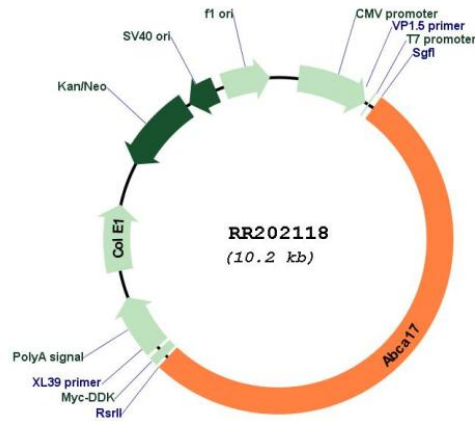
SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001031637

**ORF Size:** 5319 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\\_001031637.1](#), [NP\\_001026807.1](#)

**RefSeq Size:** 5322 bp

**RefSeq ORF:** 5322 bp

**Locus ID:** 287112

**UniProt ID:** [E9PU17](#)

**Cytogenetics:** 10q12

**MW:** 199.9 kDa

**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]