

Product datasheet for **RN214339**

Acat2 (NM_001006995) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acat2 (NM_001006995) Rat Untagged Clone
Tag: Tag Free
Symbol: Acat2
Synonyms: Ab2-076; Acat3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214339 representing NM_001006995
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATGCAGGCTCGGACCCCGTCGTCATCATCTCAGCGGCGCGGACCGCCATAGGTTCCCTCAATGGTG
CCCTGTCCACCGTGCCTGTCCACAACCTGGGACAACCTGTTATCAAAGAAGTCCTTCAGAGAGCCAAAGT
GGCTCCAGAAGAGGTGTCCGAGGTCATATTTGGACACGTTTTGACTGCAGGCTGTGGGCAGAATCCTACT
CGACAAGCCAGTGTGGGTGCGGGGATCCCTACTCGGTGCCAGCATGGAGCTGCCAGATGATCTGTGGCT
CGGGCCTAAAAGCCGTGTGCCTTGACGCTCAGTCCATAGCCATGGGTGACTCCACCATCGTGGTTGCTGG
AGGCATGGAGAACATGAGCAAGGCCCTCACTTGCTCACCTGAGATCAGGAGTGAAGATGGGTGAGGTG
CCACTCGCCGACAGCATCCTCTGTGATGGCCTCACAGATGCGTTTCACACTACCACATGGGCATCACAG
CTGAAAACGTAGCCAAAAATGGCAAGTGAAGCAGAGAGGCCAGGACAAGGTTGCTGTTGTGCCAGAA
TAGGGCGGAGCATGCGCAGAAAGCTGGCCACTTTGACAAGGAGATTGTGCCAGTGCACGTGCTTTCTAGA
AAAGGCTTACTGAAGTAAAAATCGATGAGTTTCTCGTCATGGGAGTAACCTTGAAGCCATGAGCAAGC
TGAAGCCTTACTTTCTTACTGATGGGACTGGAACGGTCACCCAGCGAATGCATCAGGAATGAACGATGG
TGCTGCTGCTGTGGTTCTTATGAAGAAGACGGAAGCTGAGAGTCGGATGCTGAAAACCTTTAGCACAAAGT
GTCTCCTGGTCACAAGCCGGTGTGGAGCCTTCTGTGATGGGAGTAGGACCGATTCCAGCCATAAAGCAAG
CTGTTGCAAAGGCAGGCTGGTCCCTGGAGGATGTTGACGTGTTTAAAATCAATGAAGCCTTTGCAGCAGT
GTCTGCAGCAATAGCTAAAGAACTTGGATTAAGCCCCGAGAAGGTGAACATCGATGGAGGAGCCATTGCC
TTGGGACATCCTCTGGGAGCATCTGGCTGTAGGATTCTAGTGACCTTGTACACACCCTGGAGAGAGTGG
GTGGGACTCGTGGTGTTCAGCCCTGTGCATTGGGGTGGTATGGGGATCGCAATGTGTGTTAGAGAGG
GTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001006995
Insert Size:	1194 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_001006995.1</u> , <u>NP_001006996.1</u>
RefSeq Size:	2050 bp
RefSeq ORF:	1194 bp
Locus ID:	308100
UniProt ID:	<u>Q5XI22</u>
Cytogenetics:	1q11
Gene Summary:	Involved in the biosynthetic pathway of cholesterol.[UniProtKB/Swiss-Prot Function]