

Product datasheet for **RR200531**

Acly (NM_016987) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acly (NM_016987) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Acly
Synonyms: ACL; Clatp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200531 representing NM_016987
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGCCAAGGCAATTCAGAGCAGACCCGGCAAGAAGCTCCTTTACAAGTACATCTGTACCACCTCAG
 CCATCCAGAACCAGTTCAAGTATGCCCGGGTACTCCCGACACAGACTGGGCCCATCTCTCGAGGACCA
 CCCCTGGCTGCTTAGCCAGAGCTTGGTAGTCAAGCCGGACCAGCTGATCAAACGTCGAGGAAAGCTTGGT
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ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200531 representing NM_016987
 Red=Cloning site Green=Tags(s)

MSAKAISEQTGKELLKYICTTSAIQNRFKYARVTPDWDWAHLLQDHPWLLSQSLVVKPDQLIKRRKGLG
 LVGVNLSLDGVKSWLKPRLGHEATVGKAKGFLKNFLIEPFVPHSQAEFYVCIYATREGDYVLFHHEGGV
 DVGVDVTKAQKLLVGVDEKLNAEDIKRHLLVHAPEDKKEILASFISGLFNFYEDLYFTYLEINPLVVTKD
 GYYILDAAKVDATADYICKVKWGDIEFPPPFGREAYPEEAYIADLDAKSGASLKLTLNPKGRIWTMVA
 GGGASVVYSDTICDLGGVNELANYGEYSGAPSEQQTYDYAKTILSLMTREKHPDGKILIIIGGSIANFTNV
 AATFKGIVRAIRDYQGPLKEHEVTIFVRRGGPNYQELRVMGVEVKTGTGPIHVFETETHMTAIVGMALG
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 TLFSRHTKAIIVWGMQTRAVQGMDFDYVCSRDEPSVAAMVYPFTGDHKQKFWGHKEILIPVFKNMADAM
 KKHPEVDVLFNFAASLRSAYDSTMETMNYAQIRTIAIIAEGIPEALTRKLIKADQKGVTIIGPATVGGIK
 PGCFKIGNTGMLDNILASKLYRPGSVAYVSRSGMSNELNIIISRTTDGVYEGVAIGGDRYPGSTFMDH
 VLRYQDTPGVKMIIVLGEIGGTTEEYKICRGIKEGRLTKPVVCWCIGTCATMFSSEVQFGHAGACANQASE
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 MTSICDERGQELIYAGMPITEVFKEEMGIGGVLGLLWFQRRLPKYSCQFIEMCLMVTADHGPAVSGAHT
 IICARAGKDLVSSLTSGLLTIGDRFGGALDAAAKMFSKAFDSGIIPMEFVNKMKKEGKLIMGIGHRVKSI
 NNPDMRQILKDFVKQHFAPPLLDYALEVEKITTSKPNLILNVDGFIGVAFVMDLRNCGSFTREEADE
 YVDIGALNGFVFLGRSMGFIGHYLDQKRLKQGLYRHPWDDISYVLPHEHMSM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_016987.2</u> , <u>NP_058683.2</u>
RefSeq Size:	4331 bp
RefSeq ORF:	3306 bp
Locus ID:	24159
UniProt ID:	<u>P16638</u>
Cytogenetics:	10q31
MW:	120.8 kDa
Gene Summary:	catalyzes the synthesis of cytosolic acetyl-CoA; plays a role in lipid and cholesterol metabolism [RGD, Feb 2006]