

Product datasheet for RN200531

Acly (NM_016987) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acly (NM_016987) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acly
Synonyms:	ACL; Clatp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200531 representing NM_016987 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGCCAAGGCAATTCAGAGCAGACCCGCAAGAAGTCTTTACAAGTACATCTGTACCACCTCAG
CCATCCAGAACCAGTTCAAGTATGCCCGGGTACTCCCGACACAGACTGGGCCCATCTCTCGAGGACCA
CCCCTGGCTGCTTAGCCAGAGCTTGGTAGTCAAGCCGGACCAGCTGATCAAACGTCGAGGAAAGCTTGGT
CTAGTCGGGGTCAACCTCTCTCTGGATGGAGTCAAATCCTGGCTGAAACCTCGACTGGGACATGAGGCCA
CCGTCGGCAAGGCCAAAGGCTTCTCAAGAAGTCTTCTGATTGAGCCCTTCGTCCCCACAGTCAGGCGGA
GGAGTTCTACGTGTGCATCTATGCTACCCGGGAAGGAGACTACGTCTGTCCACCATGAAGGGGTGTG
GATGTGGGCGATGTGGACACCAAGCCAGAAGCTGCTTGTGGGTGTGGACGAGAAAAGTGAACGCTGAAG
ACATTAAGAGACACCTGTTGGTCCAGCCCCGAAGACAAGAAAGAAATCCTGGCCAGCTTCATCTCCGG
CCTATTCAATTTCTACGAAGATCTTACTTCACCTACCTTGAGATCAACCCCTTGTGGTGACCAAAGAT
GGTGTCTACATCCTTGACCTGGCGGCAAGGTGGACGCCACTGCTGACTACATCTGCAAAGTCAAGTGGG
GTGATATAGAGTCCCTCCCCCTTGGCGGTGAGGCATACCCAGAGGAAGCCTACATTGCAGACCTGGA
TGCCAAAAGTGGGCGAGCTTGAAGCTGACCTTGCTGAACCCAAAGGGCGGATCTGGACCATGGTTGCC
GGGGGTGGCGCCTCTGTCTGTACAGTGATACCATCTGTGATCTTGGAGGTGTAACGAAGTGGCGAATT
ACGGGGAGTACTCTGGTCCCCAGTGAACAACAGACCTATGACTACGCCAAGACCATCCTCTCACTTAT
GACTCGAGAGAAGCACCCGGATGGCAAGATCCTCATCATTGGAGGCAGCATTGCAAACCTCACCAACGTG
GCCCCACCTTCAAGGGCATTGTGAGAGCAATTCGAGATTACCAGGGTCCCCTGAAGGAGCAGGAGTCA
CCATCTTTGTTCAAGAGGTGGCCGAAGTCAAGAGGGATTACGAGTGTGGGAGAAGTTGGGAAGAC
CACTGGAATCCCCATCCATGTCTTTGGCACAGAACTCACATGACGGCCATTGTGGGCATGGCCCTGGC
CACCGGCCATTCCAACAGCCACCCACAGCGGCTCACACTGCCAAGTCTCTCTTAATGCCAGTGGGA
GCACATCGACACCAGCACCCAGCAGGACAGCGTCTTTTTCCGAGTCCAGAGCTGACGAGGTGGCCCTGC
AAAGAAAGCCAAGCCAGCCATGCCCAAGATTAGTCCCAAGTCCAAGATCCCTGCAAGGAAAGAGTGCC
ACCTCTTCAGCCGACATACCAAGGCTATCGTGTGGGCGATGCAGACCCGGGCTGTGCAAGGCATGCTGG



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ACTTTGACTACGTGTGCTCCCGAGATGAGCCTTCAGTGGCTGCTATGGTCTACCCGTTCCACGGGGATCA
TAAGCAGAAGTTTTACTGGGGACACAAGGAAATCCTGATCCCTGTCTTCAAGAACATGGCTGACGCCATG
AAAAAGCATCCGGAGGTAGACGTGCTGATCAACTTTGCATCTCTGCGATCGGCTTATGACAGCACCATGG
AGACCATGAACTATGCACAGATCCGGACCATAGCCATCATAGCAGAAGGCATCCCTGAGGCTCTCACAGC
GAAGCTCATCAAGAAGGCAGACCAGAAGGGCGTGACCATATTGGGCCAGCCACGTTGGGGCATCAAG
CCTGGATGCTTTAAGATTGGGAATACTGGTGGGATGCTGGACAACATCCTGGCCTCCAAACTGTCCGC
CAGGCAGTGTGGCCTACGTCTCGCGTTCAGGAGGCATGTCTAACGAACTCAATAATATCATCTCTCGGAC
CACAGATGGTGTCTACGAGGGTGTGCCATCGGGGGGACAGGTACCCTGGGTCCACATTATGGATCAC
GTGCTGCGTTACCAAGACTCCAGGAGTCAAGATGATTGTAGTCTTGGGGAGATAGGGGTACAGAAG
AATATAAGATCTGCCGGGCATCAAGGAGGGCCGCTCACCAAGCCAGTGGTCTGCTGGTGCATCGGGAC
CTGTGCCACCATGTTCTTCTGAGGTCCAGTTTGGCCACGCTGGGGCTTGTGCCAACAGGCTTCTGAA
ACGGCAGTAGCCAAGAACCAGGCCTTGAAGGAAGCGGGAGTGTGTGCCCGAAGCTTTGATGAGCTCG
GAGAAATCATTAGTCCGTGTATGAAGATCTTGTGCCAAAGGCCATTGTACCTGCTCAGGAAGTGCC
ACCTCAAACAGTACCCATGGACTACTCTTGGGCCAGGGAGCTGGGTTAATCCGAAAACCTGCCTCATT
ATGACCAGCATCTGTGACGAGCGGGGACAGGAACCTATTTATGCGGGCATGCCCATACCCGAGGTCTTCA
AGGAAGAGATGGCATTGGTGGTGTCTGGGCCTCCTCTGGTTCCAGAGAAGGTTGCCAAAGTATTCCTG
CCAGTTCAATTGAGATGTGTCTCATGGTACCCGCTGATCACGGGCCAGCTGTCTCCGGGGCCATAACACT
ATCATCTGTGCTCGGGCTGGGAAGGACCTGGTCTCCAGCCTCACCTCAGGGCTGCTCACCATTGGGGACC
GGTTTGGGGGTGCCTTGGACGCAGCAGCGAAGATGTTTCAGTAAAGCCTTTGACAGCGGCATTATCCCAT
GGAGTTTGTGAACAAGATGAAGAAGGAGGGGAAACTGATCATGGGCATCGGCCATCGAGTCAAATCGATA
AACAAACCAGACATGCGAGTGCAGATCCTCAAAGACTTTGTCAAACAGCACTTCCCGCCACCCCGCTGC
TCGACTATGCACTGGAAGTGGAGAAAATCACCACTCAAAGAAGCCAAATCTTATCTGAACGTGGATGG
TTTCATCGCGCTTGCCTTGTGGACATGCTTAGGAACTGTGGCTCCTTACCCGGGAGGAAGCTGACGAG
TATGTTGACATTGGAGCCCTCAATGGCGCTTTGTGCTGGGAAGGAGTATGGGCTTCATCGGGCACTATC
TTGACCAGAAGAGGCTGAAGCAAGGGCTGTATCGTCACCCTGGGACGACATTTCTATGTTCTCCCGGA
ACACATGAGCATGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_016987
Insert Size:	3306 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_016987.2</u> , <u>NP_058683.2</u>

RefSeq Size: 4331 bp

RefSeq ORF: 3306 bp

Locus ID: 24159

UniProt ID: [P16638](#)

Cytogenetics: 10q31

Gene Summary: catalyzes the synthesis of cytosolic acetyl-CoA; plays a role in lipid and cholesterol metabolism [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).