

Product datasheet for **RN200532**

Acly (NM_001111095) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acly (NM_001111095) 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: >RN200532 representing NM_001111095
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAGCCAAGGCAATTCAGAGCAGACCCGGCAAAGAACTCCTTTACAAGTACATCTGTACCACCTCAG
 CCATCCAGAACCAGTTCAAGTATGCCCGGGTACTCCCGACACAGACTGGGCCCATCTCTCGAGGACCA
 CCCCTGGCTGCTTAGCCAGAGCTTGGTAGTCAAGCCGGACCAGCTGATCAAACGTCGAGGAAAGCTTGGT
 CTAGTCGGGGTCAACCTCTCTCTGGATGGAGTCAAATCCTGGCTGAAACCTCGACTGGGACATGAGGCCA
 CCGTCGGCAAGGCCAAAGGCTTCTCAAGAACTTTCTGATTGAGCCCTTCGTCCCCCACAGTCAGGCGGA
 GGAGTTCTACGTGTGCATCTATGCTACCCGGGAAGGAGACTACGTCTGTCCACCATGAAGGGGTGTG
 GATGTGGGCGATGTGGACACCAAGCCAGAAGCTGCTTGTGGGTGTGGACGAGAAACTGAACGCTGAAG
 ACATTAAGAGACACCTGTTGGTCCAGCCCCGAAGACAAGAAAGAAATCCTGGCCAGCTTCATCTCCGG
 CCTATTCAATTTCTACGAAGATCTTTACTTCACCTACCTTGAGATCAACCCCTTGTGGTGACCAAAGAT
 GGTGTCTACATCCTTGACCTGGCGGCAAGGTGGACGCCACTGCTGACTACATCTGCAAAGTCAAGTGGG
 GTGATATAGATTCCCTCCCCCTTTGGCGGTGAGGCATACCCAGAGGAAGCCTACATTGCAGACCTGGA
 TGCCAAAAGTGGGCGAGCTTGAAGCTGACCTTGCTGAACCCCAAGGGCGGATCTGGACCATGGTTGCC
 GGGGGTGGCGCCTCTGTCTGTACAGTGATACCATCTGTGATCTTGGAGGTGTCAACGAACCTGGCGAATT
 ACGGGGAGTACTCTGGTCCCCAGTGAACAACAGACCTATGACTACGCCAAGACCATCCTCTCACTTAT
 GACTCGAGAGAAGCACCCGGATGGCAAGATCCTCATCATTGGAGGCAGCATTGCAAACCTCACCAACGTG
 GCCCCACCTTCAAGGGCATTGTGAGAGCAATTCGAGATTACCAGGGTCCCCTGAAGGAGCAGGAGTCA
 CCATCTTTGTTCAAGAGGTGGCCGAACATCAAGAGGGATTACGAGTGTGGGAGAAGTTGGGAAGAC
 CACTGGAATCCCCATCCATGTCTTTGGCACAGAACTCACATGACGGCCATTGTGGGCATGGCCCTGGGC
 CACCGGCCATTCCAACCAGCCACCCACAGCGGCTCACACTGCCAACTCCTCCTTAATGCCAGTGGGA
 GCACATCGACACCAGCACCCAGCAGGACAGCGTCTTTTTCCGAGTCCAGAGCTGACGAGGTGGCCCTGC
 AAAGAAAGCCAAGCCAGCCATGCCCAAGGAAAGAGTGCCACCCTCTTCAGCCGACATACCAAGGCTATC
 GTGTGGGGCATGCAGACCCGGGTGTGCAAGGCATGCTGGACTTTGACTACGTGTCTCCCGAGATGAGC



CTTCAGTGGCTGCTATGGTCTACCCGTTACGGGGGATCATAAGCAGAAGTTTTACTGGGGACACAAGGA
 AATCCTGATCCCTGTCTTCAAGAACATGGCTGACGCCATGAAAAAGCATCCGGAGGTAGACGTGCTGATC
 AACTTTGCATCTCTGCGATCGGCTTATGACAGCACCATGGAGACCATGAACTATGCACAGATCCGGACCA
 TAGCCATCATAGCAGAAGGCATCCCTGAGGCTCTCACACGGAAGCTCATCAAGAAGGCAGACCAGAAGGG
 CGTGACCATCATTGGGCCAGCCACGGTTGGGGGCATCAAGCCTGGATGCTTTAAGATTGGGAATACTGGT
 GGGATGCTGGACAACATCCTGGCCTCCAACTGTATCGCCAGGCAGTGTGGCCTACGTCTCGCGTTCAG
 GAGGCATGTCTAACGAACTCAATAATATCATCTCTCGACCACAGATGGTGTCTACGAGGTGTTGCCAT
 CGGCGGGGACAGGTACCCTGGGTCCACATTCATGGATCACGTGCTGCGTTACCAAGACACTCCAGGAGTC
 AAGATGATTGTAGTTCTTGGGGAGATAGGGGTACAGAAGAATATAAGATCTGCCGGGCATCAAGGAGG
 GCCGCTCACCAAGCCAGTGGTCTGCTGGTGCATCGGGACCTGTGCCACCATGTTCTCTTCTGAGGTCCA
 GTTTGGCCACGCTGGGGCTTGTGCCAACAGGCTTCTGAAACGGCAGTAGCCAAGAACCAGGCCCTTGAAG
 GAAGCGGGAGTGTGTGCCCGAAGCTTTGATGAGCTCGGAGAAATCATTACGTCCGTGTATGAAGATC
 TTGTGGCCAAAGGCGCCATTGTACCTGCTCAGGAAGTCCACCTCCAACAGTACCCATGGACTACTTTG
 GGCCAGGGAGCTGGGTTAATCCGAAAACCTGCCTCATTATGACCAGCATCTGTGACGAGCGGGGGCAG
 GAACTCATTTATCGGGCATGCCATCACCGAGGCTTCAAGGAAGAGATGGGCATTGGTGGTGTCTGG
 GCCTCCTCTGGTTCCAGAGAAGGTTGCCAAGTATTCTGCCAGTTCATTGAGATGTGTCTCATGGTCAC
 CGCTGATCACGGGCCAGCTGTCTCCGGGGCCATAAACACTATCATCTGTGCTCGGGCTGGGAAGGACCTG
 GTCTCCAGCCTCACCTCAGGGCTGCTCACCATTGGGGACCGGTTTGGGGTGCCTTGAGCAGCAGCAGCA
 AGATGTTACAGTAAAGCCTTTGACAGCGGCATTATCCCATGGAGTTTGTGAACAAGATGAAGAAGGGGG
 GAAACTGATCATGGGCATCGGCCATCGAGTCAAATCGATAAACAACCCAGACATGCGAGTGCAGATCCTC
 AAAGACTTTGTCAAACAGCACTTCCCGCCACCCCGTGTCTGACTATGCACTGGAAGTGGAGAAAATCA
 CCACCTCAAAGAAGCCAAATCTTATCCTGAACGTGGATGGTTTCATCGGGCTTGCCTTGTGGACATGCT
 TAGGAAGTGTGGCTCCTCACCCGGGAGGAAGCTGACGAGTATGTTGACATTGGAGCCCTCAATGGCGTC
 TTTGTGCTGGGAAGGAGTATGGGCTTCATCGGGCACTATCTTGACCAGAAGAGGCTGAAGCAAGGGCTGT
 ATCGTACCCCTGGGACGACATTTCTATGTTCTCCCGAACACATGAGCATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001111095
- Insert Size:** 3276 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:**
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_001111095.1](#), [NP_001104565.1](#)

RefSeq Size: 4301 bp

RefSeq ORF: 3276 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 (2) lacks an alternate exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.