

Product datasheet for **RR200807**

Acsl6 (NM_130739) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsl6 (NM_130739) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acsl6
Synonyms:	Facl6; Lacsl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200807 representing NM_130739
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGACCCAGGAGATCCTGAGGATCCTGCGGCTGCCGAGCTATCGGACTTGGCCAGTTTTTCCGCA
GCCTCTCAGCCACCACCTTGTGAGTATGGGTGCACTGGCTGCCATCCTTGCATACTGGCTCACTACCG
GCCAAAGCCTTGAACACCATTGCAACCTCCTGATGCAGTCGGAAGAAGTAGAGGACAGTGGTGGAGCC
CGGCGATCTGTGATTGGGGATTGCACTCAGTTGCTTACCCACTACTATGACGATGCCCGGACGATGTACC
AGGTGTTCCGACGTGGGCTTAGCATCTCAGGGAATGGACCCTGTCTTGGCTTCCGGAAGCCAGAGCAACC
TTACCAGTGGCTGTCTATCAAGAGGTGGCCAAAAGGGCTGAATTCCTGGGGTCAAGACTTCTCCAGCAT
GACTGTAAAGTGGGCACAGAGCAGTTTATTGGCGTTTTTGCACAAAATCGGCCAGAGTGGATCATTGCTG
AGCTGGCCTGCTACACATATTCCATGGTGGTGGTACCGCTCTATGACACACTGGGCCAGGGTCTATCCG
CTACATCATCAATACAGCGGACATCTGCACTGTAATCGTGGATAAGCCGCATAAGGCTATACTCCTGCTA
GAACACGTGGAGAGGAAGGAGACTCCGGCCCTCAAGCTGGTCATCCTCATGGAGCCATTTGACGATGCC
TGAGAGAGAGGGGAAAGAAGTGCGGGGTGGACATCAAGTCCATGCAGGCTATAGAGGACTCCGGCCAAGA
GAATCATCGTGTCCCGTGCCCCACGGCCGATGACCTCTCCATTGTGTGTTTACGAGCGGTACAACA
GGGAACCCCAAAGGTGCGATGCTCACCCACGGGAACGTGGTGGCCGATTTCTCGGGCTTTCTGAAAGTCA
CAGAGAGTCAGTGGGCCCCACTTGTGCGGATGTACACTTTTCTATTTGCCTTTAGCACACATGTTTGA
GCGAATGGTGCAGTCTGTGTCTACTGCCATGGAGGGCGTGTGGGCTTCTCCAGGGAGACATCCGCCTC
CTCTCAGACGACATGAAAGCTCTCCGCCACCACCTCTTCCCTGTGGTCCCACGGCTGTGAATCGGATG
ATGACAAGATCTTCCACCAGGCAGACACCTCACTGAAGCGCTGGCTCCTGGAGTTTGCAGCAAAGCGCAA
GCAGGCTGAGGTCGGAGCGGAATCATCAGAAACAATAGTATCTGGGATGAACTCTTCTTAATAAGATT
CAGGCCAGTCTTGGAGGGCAGTGAGAATGATTGTTACCGGAGCAGCCCCGCATCACCACAGTCTCGG
GATTCTACGAGCAGCTCTGGGGTCCAGGTCTATGAAGGTTATGGGCAAACTGAATGCACAGCTGGGTG
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CTGGTCGACGCAGAGGAACCTCACTACTGGACCAGCAAAGGAGAAGGAGAGATCTGTGTAAAGGACCAA
ATGTGTTCAAAGGCTACTTAAAAGACGAGGACAGGACAAAGGAGGCCCTGGACAGTGACGGCTGGCTTCA
CACGGGAGACATTGAAAAATGGCTGCCGGAGGGAACGCTTAAAATCATCGATCGGAAAAAGGACATATTT
AAACTTGCTCAGGGGAATACGTTGCGCCCGAGAAGATTGAGAACATCTACATCCGAAGTGAGCCTGTGG
CGCAAATCTACGTCCATGGGGACAGCTTAAAGGCCTTCTGGTTGGCATTGTTGTGCCTGACCCTGAAGT
CATGCCTTGCTGGGCTCAGAAGAAAGGAATCGAAGGGAACCTACCAGGAACCTGCAAAAAGTAAAGGAATTG
AAGAAAGCCATTCTGGATGACATGGTGTGTTGGGAAAGAAAGTGGACTGCATTCTTTTGAACAGGTTA
AAGCCATTTACATCCATTGTGACATGTTCTCAGTTCAAAATGGCTTGCTGACACCAACACTAAAGGCTAA
GAGGCCGAGCTGAGAGAGTACTTCAAAAAGCAAATAGAAGAGCTGTACTCAATCTCCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200807 representing NM_130739
 Red=Cloning site Green=Tags(s)

MQTQEILRILRLEPELSDLGQFFRSLSATTLVSMGALAAILAYWLTHRPKALQPPCNLLMQSEEVEDSGGA
 RRSVIGDCTQLLTHYYDDARTMYQVFRRLSISGNGPCLGFRKPEQPYQWLSYQEVAKRAEFLGSGLLQH
 DCKVGTGEQFIGVFAQNRPEWIIAELACYTYSMVVPLYDTLGPGRSIRYIINTADICTVIIDKPKHAILLL
 EHVERKETPGLKLVILMEPFDDALRERGGKCGVDIKSMQAIEDSGQENHRVPPPRPDDLIVCFSTGTT
 GNPKGAMLTGHNVDVDFSGFLKVTESQWAPTCADVHFSYLPLAHMFERMVQSVVYCHGGRVGFQGDIDL
 LSDDMKALRPTIFPVVPRLLNRMYSKIFHQADTSLKRWLEFAAKRKQAEVRSIIRNNSIWDLELFFNKI
 QASLGGHVRMIVTGAAPASPTVLGFLRAALGCQVYEGYQTECTAGCTFTTPGDWTS GHV GAPLPCNHK
 LVDAEELNYWTSKGEGEICVKGNVFKGKYLKDEDRTKEALDSDGWLHTGDIGKWLPEGTLKIIDRKKDIF
 KLAQGEYVAPEKIENIYIRSEPAQIYVHGDLSKAFLVGIVVDPDVEVMPCWAQKKGIEGNYQELCKSKEL
 KKAILDMMVMLGKESGLHSFEQVKAIYIHCDMFSVQNGLLTPTLAKRPELREYFKKQIEELYSISM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_130739

ORF Size: 2091 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_130739.1](#), [NP_570095.1](#)

RefSeq Size: 2573 bp

RefSeq ORF: 2094 bp

Locus ID: 117243

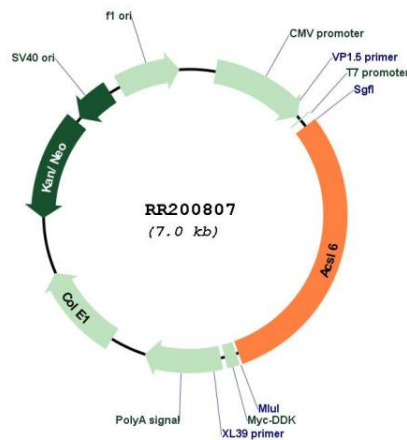
UniProt ID: [P33124](#)

Cytogenetics: 10q22

MW: 78.2 kDa

Gene Summary: catalyzes the ligation of long chain fatty acids with coenzyme A to produce long chain acyl-CoAs in fatty acid metabolism [RGD, Feb 2006]

Product images:



Circular map for RR200807