

Product datasheet for **RN209632**

Acsbg1 (NM_134389) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsbg1 (NM_134389) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acsbg1
Synonyms:	Grlacs; Lpd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN209632 representing NM_134389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACGCA GTTCTGAAGCTGGATACTGCTGTTGTCCAGGGACTCCAATATGCCTGACAGCAGAGACG
 ATCAGCAGCAGGGTGCCAGCATGGGACCTCCCCAGACA ACTCACAAACCAGCTCCTTAATTGATGGGCG
 GACTCTCCAAAGAGTCTCCAAGTCATGGTCTCGAGCTCTCAGCTCCAGAAAAGGCAAGAGCTGCCTCT
 TTGGATGCTTCAGAGGAAGCACTATGGACA ACTCGGGCCGATGGGAGAGTGCGCCTGCGCCTGGAACCTT
 TCTGTACGCAGCTTCCCTACACCGTGCACCAGATGTTCTATGAGGCCCTGGATAAGTACGGGAACCTCAG
 TGCTCTGGGCTTCAAGCGCAAGGACAAGTGGGAGCGCATCTTACTACCACTACTACCTGATTGCGCGC
 AAAGTAGCCAAAGGCTTCTTGAAGCTCGGCCTGGAGCGTCTCACAGCGTGGCGATCCTCGGCTTCAACT
 CTCCAGAAATGGTTTTCTGCGGTGGGCACAGTGTTCAGGGGGCATCGTCACCGGCATTTACACCAC
 CAGCTCCCAGAGGCCTGCCAGTACATTGCCATGACTGCCGAGCCAATGTCATCGTGGTTGACACACAG
 AAGCAGCTGGAAGATCCTGAAGATCTGGAAGACTTGCACATCTAAAGGCAGTGGTGATATACCAAG
 AACCCCTCCCAAGAAGATGGCCAATGTGTACACGATGGAGGA ACTCATAGA ACTGGGGCAAGAAGTGCC
 TGAGGAGGCCCTAGATGCCATCATCGATACCCAGCAGCCAAACCAGTGCTGTGTGCTCGTCTACACATCA
 GGCACCACAGGAAACCCCAAGGGTGTGATGCTGAGTCAAGACAATATCACATGGACAGCAGGGTATGGCA
 GTCAGGCTGGGGACATCCAGCCAGCGGAAGTGCAGCAAGAGGTAGTGGTCAGTACTTGCCTCTCAGCCA
 CATTGCTGCCAGATCTATGACCTGTGGACGGGCATCCAGTGGGGGGCCAGGTCTGCTTTCAGATCCA
 GATGCCCTTAAGGGGACCCTGGTGAACACACTGCGGGAGGTGGAGCCACATCCACATGGGAGTGCCCC
 GAGTATGGGAGAAGATCATGGAACGGATCCAGGAGGTGGCCGCTCAATCTGGCTTCAATCCGCGCAAGAT
 GCTGCTGTGGCCATGTCTGTACCTTGGAGCAGAACCTCACCTGCCCTAGCAACGACCTGAAGCCCTTC
 ACGAGCAGACTGGCGGATTACCTAGTATTAGCCAGGGTCCGTGAGGCTCTGGGCTTTGCCAAGTGTGAGA
 AAAACTTCTATGGAGCAGCTCCCATGACGGCAGAGACACAACGCTTCTTTCTGGGCTCAACATCCGCT
 GTACGCAGGCTATGGCCTCAGTGAGAGCACTGGCCCTCACTTCTATGTCCAGCCCCACAACATCGGCTT
 TACAGCTCCGGCAGGGTGGTCCCGCTGTGGGTGAAGCTGGTGAATCAGGATGCAGATGGCATTGGTG
 AGATCTGTCTGTGGGCGCACCATCTTATGGGTTATCTGAACATGGAGGACAAAACACATGAGGCCAT
 TGATTCTGAAGGCTGGCTACACACAGGTGACATGGGCCGTCTGGATGATGACGGCTTCTCTACATCACC
 GGGCGCTCAAAGAATTAATCATCACTGCGGGCGGGGAGAAATGTGCCCCGGTGCCATCGAGGAGGCTG
 TGAAGATGGAGTTGCCCATCATCAGCAGGCCATGCTGATTGGGGACCAGAGGAAGTTCTGTCCATGCT
 GCTAACACTGAAGTGCACACTGAACCCAGAAACGTCTGAGCCAACCGACAATCTGACGGAGCAAGCTGTG
 GAGTTCTGCCAGAGGGTGGGCGAGCAAGGCCAGCACCGTATCCGAGATCGTGGGGCAGAAAGACGAGGCTG
 TGTATCAGGCCATCCACGAAGGGATCCAGAGGGTGAACGCGAACGCGGCAGCCCGGCCCTACCACATCCA
 GAAGTGGGCCATTCTCGAACGTGACTTCTCCATTTAGGTGGAGA ACTGGGACCCACCATGAAGTTGAAA
 CGGCTCACGGTTCTGGAGAAGTACAAAGATATCATTGATTCTTTTATCAAGAGCAAAAACAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2737_d06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_134389

Insert Size: 2166 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_134389.1](#), [NP_599216.1](#)

RefSeq Size: 2689 bp

RefSeq ORF: 2166 bp

Locus ID: 171410

UniProt ID: [Q924N5](#)

Cytogenetics: 8q24

Gene Summary: may play a role in fatty acid metabolism and biosynthesis of steroid hormone precursors [RGD, Feb 2006]