

Product datasheet for **SC337070**

ACSBG2 (NM_001289179) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSBG2 (NM_001289179) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSBG2
Synonyms:	BGR; BRGL; PRTD-NY3; PRTDNY3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC337070 representing NM_001289179.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGACTGGAACCCAAAGACTCAAGAAGGAGCTAAAGATCTTGAAGTAGACATGAATAAAACAGAAGTT
ACTCCAGGCTGTGGACCACCTGTCGAGATGGAGAAGTCCTTCTGAGGCTATCCAAACACGACCAGGC
CATGAGACCCCGATGACCATCCCTGAATTTTTTCGAGAGTCAGTCAACCGATTTGGAACTTATCCAGCC
CTCGCATCCAAGAATGGCAAAAAGTGGGAAATTCTGAATTTCAACCAGTACTATGAGGCTTGTGGAAG
GCTGCAAAATCCTTGATCAAGCTGGGTTTGAGCGTTTCCACGGAGTTGGTATCCTGGGGTTAACTCT
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AACTCTGCCGAGTTTGTCAATATGTCATCACTCATGCCAAAGTGAACATCTTGTGTTGAGAATGAT
CAACAGTTACAGAAAATCCTTTGATTCCACAGAGCAGCCTAGAGCCCTAAAAGCGATCATCCAGTAC
AGACTGCCAATGAAGAAGAACAACAATTGTACTCTTGGGATGATTTTATGGAATTGGCAGAAGTATC
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GTGACAAAGGACTTTAACTGACAGACAAGCATGAGACGGTGGTAGCTACCTCCCACTCAGCCATATT
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CTGAGCATGTTGCTGACGCTGAAGGCATCCACCGTGAAGTGTGAAGCAGCAAGACCCCTGGTC
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AGACATTTTGTAGCCAGAAATACAAAAACAAATTGATCACATGTACCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001289179

Insert Size: 1917 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:	<u>NM_001289179.1</u>
RefSeq Size:	2705 bp
RefSeq ORF:	1917 bp
Locus ID:	81616
UniProt ID:	<u>Q5FVE4</u>
Cytogenetics:	19p13.3
MW:	71.2 kDa
Gene Summary:	Mediates activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Able to activate long-chain fatty acids. Also able to activate very long-chain fatty acids; however, the relevance of such activity is unclear in vivo. Has increased ability to activate oleic and linoleic acid. May play a role in spermatogenesis. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to isoform 1. The encoded isoform (b) is shorter, compared to isoform a.