

Product datasheet for **SC331299**

ACSBG1 (NM_001199377) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSBG1 (NM_001199377) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSBG1
Synonyms:	BG; BG1; BGM; GR-LACS; LPD
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331299 representing NM_001199377.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCACGCAATTCTGGAGCTGGATACGGCTGCCACACGGGGACCCAGCATGCTGGACAGCAGAGAG
ACCCACAGGAGAGCCGGCAGGACATGATTGTGAGGACCACCAAGAAAAATTGAAAACCAAGTCACTG
ACTGACAGGCAGCCACTCTCAAAGAGTCCCTGAACCATGCTCTCGAGCTCTCAGTGCCAGAGAAGGTG
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CGCATAGACCCAGCTGCCACAGCTTCCCTACACTGTGATCGGATGTTCTACGAGGCCCTGGATAAG
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TTTTACCAAGAGCAAAAAATGTA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001199377

Insert Size: 2163 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_001199377.1](#)

RefSeq Size: 2998 bp

RefSeq ORF: 2163 bp

Locus ID: 23205

UniProt ID: [Q96GR2](#)

Cytogenetics: 15q25.1

MW: 80.9 kDa

Gene Summary: The protein encoded by this gene possesses long-chain acyl-CoA synthetase activity. It is thought to play a central role in brain very long-chain fatty acids metabolism and myelinogenesis. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.