

Product datasheet for **SC324343**

ACSBG2 (NM_030924) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACSBG2 (NM_030924) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACSBG2
Synonyms:	BGR; BRGL; PRTD-NY3; PRTDNY3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030924.3

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CCCACCACCACCATCATCTGGCTGGACGGAGAGGGTGACGGGGGCTGGGAAGGGGCAGC
TCATGTTCAAGTTTCCAGGAGGGGCTACCTGTTGACTGTCTTTCAGGAAGAAGAAAAACA
CCTGAGTGACCAGATGTCCAGCTCCAGGTGCCTTGCCAGATGGCCAGAACCACACCTCT
TGAAGAGTGACAGTGCTGTGGAGCATGGTTTCTGCACACCTGGAATGACTGGAACCCCAA
AGACTCAAGAAGGAGCTAAAGATCTTGAAGTAGACATGAATAAAACAGAAGTTACTCCCA
GGCTGTGGACCACCTGTGAGATGGAGAAGTCTTCTGAGGCTATCCAAACACGGACCAG
GCCATGAGACCCCGATGACCATCCCTGAATTTTTTCGAGAGTCAGTCAACCGATTGGAA
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ACTATGAGGCTTGTGGAAGGCTGCAAAATCCTTGATCAAGCTGGGTTTGGAGCGTTTCC
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CGGTGGTTAGCTACCTCCCACTCAGCCATATTGCAGCAGACAGATGATGGACATCTGGGTAC
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GGAAACCTTCCAATAAGTCTGATAATAAAGCACTTCAGGGTCCCAAAAAAAAAAAAAA
AAA

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Restriction Sites: Please inquire

ACCN: NM_030924

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_030924.3</u> , <u>NP_112186.3</u>
RefSeq Size:	2712 bp
RefSeq ORF:	2001 bp
Locus ID:	81616
UniProt ID:	<u>Q5FVE4</u>
Cytogenetics:	19p13.3
Domains:	AMP-binding
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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same isoform (a).