

Product datasheet for **SC316311**

SRC3 (NCOA3) (NM_006534) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRC3 (NCOA3) (NM_006534) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRC3
Synonyms:	ACTR; AIB-1; AIB1; bHLHe42; CAGH16; CTG26; KAT13B; pCIP; RAC3; SRC-3; SRC3; TNRC14; TNRC16; TRAM-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_006534 edited

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006534 unedited GGGGCACCCTATGTAATACGACTCCTATAGGGCGGCCGCGCAGTGTGATGGATATCTGCA GAATTCGCCCTTTCGCGCAGTTTCCGATTTAAAGCTGAGCTGCGAGGAAAATGGCGGCGG GAGGATCAAAATACTTGTGGATGGTGGACTCAGAGACCAATAAAAAAACTGCTTGAA CATCCTTTGACTGGTTAGCCAGTTGCTGATGTATTTCAAGATGAGTGGATTAGGAGAAA ACTTGGATCCACTGGCCAGTGATTCACGAAAACGCAAATTGCCATGTGATACTCCAGGAC AAGGTCTTACCTGCAGTGGTGAAAAACGGAGACGGGAGCAGGAAAGTAAATATATTGAAG AATTGGCTGAGCTGATATCTGCCAATCTTAGTGATATTGACAATTTCAATGTCAAACAG ATAAATGTGCGATTTTAAAGGAAACAGTAAGACAGATACGTCAAATAAAGAGCAAGGAA AAACTATTTCCAATGATGATGATGTTCAAAAAGCCGATGTATCTTCTACAGGGCAGGGAG TTATTGATAAAGACTCCTTAGGACCGCTTTTACTTCAGGCATTGGATGGTTTCTATTTG TGGTGAATCGAGACGAAACATTGTATTTGTATCAGAAAATGTACACAAATACCTGCAAT ATAAGCAAGAGGACCTGGTTAACACAAGTGTTTACAATATCTTACATGAAGAAGACAGAA AGGATTTTCTTAAGAATTTACAAAATCTACAGTTAATGGAGTTTCTGGACAAATGAGA CCCAAAGACAAAAAAGCCATACATTTAATTGCCGTATGTTGATGAAAACACCCACATGA TATTCTGGAAGACAAAAACGAGCTCCTGAAATGCCAGAGATATGAAACATGCATGCTT TGCTGTCTTACGCCAGGCTTATGATGGAGAGGGGAAGAATTTGGCAATCCCTTTGT TATGATTCTCTTTTTT
Restriction Sites:	Please inquire
ACCN:	NM_006534
Insert Size:	7400 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_006534.2</u> , <u>NP_006525.2</u>
RefSeq Size:	7923 bp
RefSeq ORF:	4263 bp
Locus ID:	8202
UniProt ID:	<u>Q9Y6Q9</u>
Cytogenetics:	20q13.12
Domains:	PAS, HLH
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a nuclear receptor coactivator that interacts with nuclear hormone receptors to enhance their transcriptional activator functions. The encoded protein has histone acetyltransferase activity and recruits p300/CBP-associated factor and CREB binding protein as part of a multisubunit coactivation complex. This protein is initially found in the cytoplasm but is translocated into the nucleus upon phosphorylation. Several transcript variants encoding different isoforms have been found for this gene. In addition, a polymorphic repeat region is found in the C-terminus of the encoded protein. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1, resulting in a shorter isoform (b) compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>