

Product datasheet for **SC304274**

SIN3B (NM_015260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIN3B (NM_015260) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIN3B
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015260, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCACGCTGGCGGTGGCAGCGGTGGCAGCGGTGCCGGCGGCCCGCGGGCCGGGGG
CTGAGCGGCGCCCGCTGGGGTTCGCTCGGGCTCCGCAGGCCACGAGAAGCTGCCGGTGCAC
GTAGAAGACGCCCTCACCTATCTGGACCAGGTGAAGATCCGCTTTGGCAGCGACCCTGCC
ACCTACAACGGCTTCTGGAGATCATGAAGGAGTTCAAAGCCAGAGCATCGATACTCCT
GGAGTCATCAGACGTGTCTCGCAGCTCTCCACGAGCACCTGACCTCATTGTTGGATTCC
AACGCTTTTCTCCCTCGGATATAGAATAGACATTCCTCAAGAATGGCAAGTTAAACATA
CAGTCGCTCTGACAAGCCAGGAGAATTGACACAACCACGGGACGGTGCAGAGGACTTCA
AAGCAGCAGGTGCCGTATAAAGAGGACAAACCCAGGTGCCCTGGAGTCCGATTCCGTTG
GAATTCACAACGCCATCAGCTATGTGAATAAGATTAACCCGCTTCTAGACCACCCA
GAAATCTACAGGTCATTCTGGAGATCCTGCACACGTACCAGAAGGAGCAGCTGAACACG
AGGGGCCGGCCATTCCGAGGCATGTCTGAAGAGGAGGTGTTACCCGAGGTGGCCAACCTC
TTCCGGGGCCAGGAGGACCTGCTCTCAGAGTTTGGACAGTTCTGCCGAAGCCAAGCGG
TCTCTGTTACAGGAAACGGCCGTGCGAGATGCACAGCGTGCAGAAGAAGCAGCAGCAGC
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TGGCGGGAGGCCAGCAGGGCTTCAACAAGATCTGGCGGGAGCAGTATGAGAAGGCGTAC
CTCAAGTCCCTTGACCACCAGGCTGTGAACTTCAAGCAGAACGACACCAAGGCCCTGCGC

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TCCAAGAGCTTGCTCAACGAGATCGAGAGCGTCTACGACGAGCACCAGGAGCAGCACTCG
GAGGGCCGAGTCCCCCTTAGCGAGCCGACCTCATCTTTGTGTACGAGGACCGGCAG
ATCCTGGAGGACGAGCAGCGCTCATCAGCTACTACGTGAAGCGGCAGCCGGCCATCCAG
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CAGGGGCAGACCACAGACCCCAAGTGGAGCGGAAGAAGCCGGCGCCAGGACCCACAGTAGC
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CCTGTGGAGGTCCAGCACCTGGCTCGGTACGTGGAGCAGTATGTGGGACCGAGGGCGCG
TCCAGCTCGCCCACTGAGGGCTTCTCCTGAAACCTGTGTTCTCGAGAGGAACCTCAAG
AAGTTCGCCCGCCGGTGGCAGAGCGAGCAGGCGCGGGCCCTGCGCGGTGAGGCCAGGAGC
TCCTGGAAGCGGCTGGTGGGCGTGGAGAGCGCCTGCGACGTGGACTGCCGCTTCAAGCTC
AGCACTACAAGATGGTGTTCATCGTGAACCTCGAGGACTACATGTACCGTCCGCGGACC
CTCTGCCGGGCAAGCAGGTGCAGCCCTGGTCCCTGCTCCGCCACCACCAGCACTTTGAG
GAGTGGCACAGCCGCTGGCTGGAGGACAATGTGACGGTGGAGGGCGCTAGCCTGGTGCAG
GACTGGCTGATGGGTGAGGAGGACGAGGACATGGTACCCTGCAAGACGCTGTGTGAGACA
GTGCACGTGCACGGCCTGCCCGTACCCGCTACCGCTGCAGTACAGCCCGCCCGCCGGCC
TCGCCCTGA
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Restriction Sites:

Please inquire

ACCN:

NM_015260

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](#)

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_015260.1</u> , <u>NP_056075.1</u>
RefSeq Size:	5129 bp
RefSeq ORF:	3489 bp
Locus ID:	23309
UniProt ID:	<u>O75182</u>
Cytogenetics:	19p13.11
Gene Summary:	<p>Acts as a transcriptional repressor. Interacts with MXI1 to repress MYC responsive genes and antagonize MYC oncogenic activities. Interacts with MAD-MAX heterodimers by binding to MAD. The heterodimer then represses transcription by tethering SIN3B to DNA. Also forms a complex with FOXP1 which represses transcription. With FOXP1, regulates cell cycle progression probably by repressing cell cycle inhibitor genes expression.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>