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Product datasheet for SC337303

SIN3B (NM_001297597) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIN3B (NM_001297597) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIN3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001297597, the custom clone sequence may differ by one or more nucleotides

ATGCAGCGTCATTCACGGCATTTCCTCTTGGTGCAGGTACTGAACGACACCTGGGTCTCCTTCCCTTCCT
GGTCTGAGGACTCCACGTTCGTCAGCTCCAAGAAGACACCGTACGAGGAGCAGCTTCACCGCTGTGAGGA
CGAGCGCTTCGAGTTAGACGTTGTCCTGGAGACGAACCTGGCCACAATCCGTGTGTTGGAAAGTGTGCAG
AAGAAGCTGTCTCGGATGGCGCCGGAAGACCAGGAGAAGTTCCGGCTGGACGACTCCCTGGGAGGCACGT
CGGAGGTGATCCAGCGCCGTGCCATTTATCGCATCTATGGCGACAAGGCCCCGGAGATCATCGAGAGCCT
CAAGAAGAACCCTGTCACCGCTGTCCCCGTTGTCCTGAAAAGACTGAAGGCCAAGGAAGAGGAGTGGCGG
GAGGCCCAGCAGGGCTTCAACAAGATCTGGCGGGAGCAGTATGAGAAGGCGTACCTCAAGTCCCTTGACC
ACCAGGCTGTGAACTTCAAGCAGAACGACACCAAGGCCCTGCGCTCCAAGAGCTTGCTCAACGAGATCGA
GAGCGTCTACGACGAGCACCAGGAGCAGCACTCGGAGGGCCGCAGTGCCCCCTCTAGCGAGCCGCACCTC
ATCTTTGTGTACGAGGACCGGCAGATCCTGGAGGACGCAGCAGCGCTCATCAGCTACTACGTGAAGCGGC
AGCCGGCCATCCAGAAGGAGGACCAGGGCACCATCCACCAGCTGCTGCACCAGTTCGTGCCCAGCCTCTT
CTTCTCTCAGCAGCTGGACCTGGGCGCCTCCGAGGAGTCAGCTGATGAGGACCGGGACAGCCCCCAGGGG
CAGACCACAGACCCCAGTGAGCGGAAGAAGCCGGCGCCAGGACCCCACAGTAGCCCCCCAGAGGAGAAGG
GGGCCTTCGGGGATGCCCCGGCCACTGAGCAGCCACCCCTGCCGCCCCCAGCCCCGCACAAGCCCCTGGA
CGATGTCTACAGCCTATTTTTTGCCAACAACAACTGGTACTTCTTCCTGCGCCTGCACCAGACCCTGTGC
TCCAGGCTGCTGAAGATCTACCGCCAGGCGCAGAAGCAGCTTCTGGAGTATCGGACCGAGAAGGAGCGGG
AGAAGCTGCTGTGTGAGGGCCGCAGGGAGAAGGGCAGCGACCCCGCCATGGAGCTGCGGCTGAAGCAGCC
CAGTGAAGTGGAGCTGGAGGAGTACTACCCGGCCTTCCTGGACATGGTGCGGAGCCTGCTGGAGGGCAGC
ATCGACCCCACGCAGTACGAGGACACCCTACGCGAGATGTTCACCATCCATGCCTACGTGGGCTTCACCA
TGGACAAGCTGGTGCAGAACATTGCGCGGCAGCTGCACCACCTCGTGAGCGATGACGTCTGCCTGAAGGT
GGTGGAGCTCTACCTGAACGAGAAGAAGCGGGGTGCCGCTGGTGGGAACCTGTCCTCCCGCTGCGTCCGC
GCTGCTAGGGAGACCAGCTACCAGTGGAAGGCTGAGCGCTGCATGGCCGACGAGAACTGCTTCAAGGTGA
TGTTCCTGCAGCGCAAAGGGCAGGTGATCATGACCATCGAGCTCCTGGACACCGAGGAGGCCCAGACGGA
GGACCCTGTGGAGGTCCAGCACCTGGCTCGGTACGTGGAGCAGTATGTGGGGACCGAGGGCGCGTCCAGC
TCGCCCACTGAGGGCTTCCTCCTGAAACCTGTGTTCCTGCAGAGGAACCTCAAGAAGTTCCGCCGCCGGT
GGCAGAGCGAGCAGGCGCGGGCCCTGCGCGGTGAGGCCAGGAGCTCCTGGAAGCGGCTGGTGGGCGTGGA
GAGCGCCTGCGACGTGGACTGCCGCTTCAAGCTCAGCACTCACAAGATGGTGTTCATCGTGAACTCCGAG
GACTACATGTACCGTCGCGGGACCCTCTGCCGGGCCAAGCAGGTGCAGCCCCTGGTCCTGCTCCGCCACC
ACCAGCACTTTGAGGAGTGGCACAGCCGCTGGCTGGAGGACAATGTGACGGTGGAGGCGGCTAGCCTGGT
GCAGGACTGGCTGATGGGTGAGGAGGACGAGGACATGGTACCCTGCAAGACGCTGTGTGAGACAGTGCAC
GTGCACGGCCTGCCCGTGACCCGCTACCGCGTGCAGTACAGCCGCCGCCCGGCCTCGCCCTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001297597

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_001297597.1, NP_001284526.1
RefSeq Size:	4159 bp
RefSeq ORF:	2163 bp
Locus ID:	23309
UniProt ID:	O75182
Cytogenetics:	19p13.11
Gene Summary:	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 FOXK1 which represses transcription. With FOXK1, regulates cell cycle progression probably by repressing cell cycle inhibitor genes expression.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform 3, which is shorter and has a distinct N-terminus, compared to isoform 1.