

Product datasheet for **SC329105**

SATB2 (NM_001172517) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SATB2 (NM_001172517) Human Untagged Clone
Tag:	Tag Free
Symbol:	SATB2
Synonyms:	GLSS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC329105 sequence for NM_001172517 edited (data generated by NextGen Sequencing)

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ATGGAGCGGGCGGAGCGAGAGCCCGTGTCTGCGGGACAGCCCCGACCGGCGGAGCGGCAGCCCGGACGTCA
AGGGGCCCTCCCCAGTGAAGGTGGCCCGCTGGAGCAGAACGGCAGCCCCATGGGAGCCCGGGAGGCC
CAACGGCGCCGTGGCCAAGGCCGTGGGAGTTTGTATGATTCTGTCTTTTGTGTCGTGGAGCAGTTGGAC
GGCTCTCTTGAATATGACAAACAGAGAAGAACACGCCGAGTTTGTCTGGTGGGAAAGATGTGCTTTTTA
GCCAGCTGGTGGAGACTGCGCTCTGGCCCTGGGGTATTCTCACAGCTCTGCGGCCAGGCCAAGGAAT
AATCAAGCTGGGAAGGTGGAACCTCTCCCCCTCAGTTATGTGACAGATGCACCCGACGCGACAGTGGCC
GACATGCTACAAGATGTCTATCATGTTGTGACGTTGAAAATCCAATTACAAAGTTGTTCAAAGTTGGAAG
ACTTGCCTGCGGAGCAGTGAACCATGCCACAGTCCGCAATGCCTTAAAGGAACTGCTCAAAGAGATGAA
CCAGAGCACATTAGCCAAAGAATGCCCTCTCTCCAGAGTATGATTTTCCATTGTAATAGCACATAT
TATGCCAATGTGTGAGCAACCAAGTCCAGGAGTTGGGAGATGGTATAAAAAGTACAAGAAGATTAAG
TGGAAAGAGTGGAAACGAGAAAACCTTTCCAGACTATTGTGTTCTGGCCAGCGTCCAATGCATTTACCAA
TATGAACCAGCTGGCATCCCTGGGAAAACCAACGAACAGTCTCCTCACAGCCAAATTCACCACAGTACT
CCAATCCGAAACCAAGTGCCCGCATTACAGCCCATCATGAGCCCTGGTCTCTTTCTCCCGAGCTTAGTC
CACAACCTGTAAGGCAACAAATAGCCATGGCCCATCTGATAAACCAACAGATTGCCGTTAGCCGGCTCCT
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ATCCAACAGGAGATGAAAAGGGCCAAGGTGTCTCAAGCCCTGTTTGCCAAAGTGGCTGCAATAAAAAGTC
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CCTCTGTACCATCCGTCGCTTCTGAACCTTCCCAGCATGAGAGGGATGTCATCTATGAGGAGGAGTCA
AGGCATCACCACAGCGAACGCATGCAACACGTGGTCCAGCTTCCCCTGAGCCGGTGCAGTACTTCATA
GACAGCAGTCTCAGCCAGCCAAGGAGAGTCCCCTCCCAGAGAAGAAGCGCTCCCCACCTCCTCCGAC
TGAAGACAGTTGTGCCAAAAGCCCGGTCTCGCACAAGATCTCCTTAGAAGCCCTGGGGATCCTCCAA
AGCTTTATTCATGATGTAGGCCTGTACCAGACCAGGAAGCCATCCACACTCTTTTCGGCTCAGCTGGATC
TCCCCAAACACACCATCATCAAGTTCTTCCAGAACAGCGGTACCACGTGAAGCACCACGGGAAGCTGAA
AGAGCACCTGGGCTCCGCGGTGGACGTGGCTGAATATAAGGACGAGGAGCTGCTGACCGAGTCAGAGGAG
AACGACAGCGAGGAAGGCTCCGAGGAGATGTACAAAGTGGAGGCTGAGGAGGAAAATGCTGACAAAAGCA
AGGCAGCACCTGCCGAAATTGACCAGAGATAA
    
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Clone variation with respect to NM_001172517.1

Restriction Sites: Please inquire

ACCN: NM_001172517

Insert Size: 2500 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).

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:	NM_001172517.1 , NP_001165988.1
RefSeq Size:	5326 bp
RefSeq ORF:	2202 bp
Locus ID:	23314
UniProt ID:	Q9UPW6
Cytogenetics:	2q33.1
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes a DNA binding protein that specifically binds nuclear matrix attachment regions. The encoded protein is involved in transcription regulation and chromatin remodeling. Defects in this gene are associated with isolated cleft palate and cognitive disability. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. 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>