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Product datasheet for SC329104

SATB2 (NM_001172509) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SATB2 (NM_001172509) Human Untagged Clone
Tag:	Tag Free
Symbol:	SATB2
Synonyms:	GLSS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001172509, the custom clone sequence may differ by one or more nucleotides

ATGGAGCGGCGGAGCGAGAGCCCGTGTCTGCGGGACAGCCCCGACCGGCGGAGCGGCAGC
CCGGACGTCAAGGGGCCTCCCCCAGTGAAGGTGGCCCGGCTGGAGCAGAACGGCAGCCCC
ATGGGAGCCCGCGGGAGGCCCAACGGCGCCGTGGCCAAGGCCGTGGGAGGTTTGATGATT
CCTGTCTTTTGTGTCGTGGAGCAGTTGGACGGCTCTCTTGAATATGACAACAGAGAAGAA
CACGCCGAGTTTGTCCTGGTGCGGAAAGATGTGCTTTTTAGCCAGCTGGTGGAGACTGCG
CTCCTGGCCCTGGGGTATTCTCACAGCTCTGCGGCCCAGGCCCAAGGAATAATCAAGCTG
GGAAGGTGGAACCCTCTCCCCCTCAGTTATGTGACAGATGCACCCGACGCGACAGTGGCC
GACATGCTACAAGATGTCTATCATGTTGTGACGTTGAAAATCCAATTACAAAGTTGTTCA
AAGTTGGAAGACTTGCCTGCGGAGCAGTGGAACCATGCCACAGTCCGCAATGCCTTAAAG
GAACTGCTCAAAGAGATGAACCAGAGCACATTAGCCAAAGAATGCCCTCTCTCCCAGAGT
ATGATTTCATCCATTGTAAATAGCACATATTATGCCAATGTGTCAGCAACCAAGTGCCAG
GAGTTTGGGAGATGGTATAAAAAGTACAAGAAGATTAAAGTGGAAAGAGTGGAACGAGAA
AACCTTTCAGACTATTGTGTTCTGGGCCAGCGTCCAATGCATTTACCAAATATGAACCAG
CTGGCATCCCTGGGGAAAACCAACGAACAGTCTCCTCACAGCCAAATTCACCACAGTACT
CCAATCCGAAACCAAGTGCCCGCATTACAGCCCATCATGAGCCCTGGTCTTCTTTCTCCC
CAGCTTAGTCCACAACTTGTAAGGCAACAAATAGCCATGGCCCATCTGATAAACCAACAG
ATTGCCGTTAGCCGGCTCCTGGCTCACCAGCATCCTCAAGCCATCAACCAGCAGTTCCTG
AACCATCCACCCATCCCCAGAGCAGTTAAGCCAGAGCCAACCAACTCTTCCGTGGAAGTC
TCTCCAGATATCTACCAGCAAGTCAGAGATGAGCTGAAGAGGGCCAGTGTGTCCCAAGCT
GTCTTTGCAAGAGTGGCATTCAACCGCACACAGGGATTGTTGTCTGAGATTCTGCGTAAG
GAAGAAGACCCTCGGACAGCCTCTCAGTCTCTTCTAGTAAACCTGAGGGCCATGCAGAAT
TTCCTCAATCTGCCAGAAGTGGAGCGAGATCGCATCTACCAGGATGAGAGGGAGCGGAGC
ATGAATCCCAATGTGAGCATGGTCTCCTCGGCCTCCAGCAGTCCCAGCTCCTCCCGAACC
CCTCAGGCCAAAACCTCGACACCGACAACAGACCTCCCTATTAAGGTGGACGGCGCCAAC
ATCAACATCACAGCTGCCATTTATGACGAGATCCAACAGGAGATGAAAAGGGCCAAGGTG
TCTCAAGCCCTGTTTGCCAAAGTGGCTGCAAATAAAAGTCAGGGCTGGCTGTGTGAACTG
CTCCGCTGGAAGGAGAACCCAAGCCCAGAAAACCGCACCCTCTGGGAAAACCTCTGTACC
ATCCGTCGCTTCCTGAACCTTCCCCAGCATGAGAGGGATGTCATCTATGAGGAGGAGTCA
AGGCATCACCACAGCGAACGCATGCAACACGTGGTCCAGCTTCCCCCTGAGCCGGTGCAG
GTACTTCATAGACAGCAGTCTCAGCCAGCCAAGGAGAGTTCCCCTCCCAGAGAAGAAGCG
CCTCCCCCACCTCCTCCGACTGAAGACAGTTGTGCCAAAAAGCCCCGGTCTCGCACAAAG
ATCTCCTTAGAAGCCCTGGGGATCCTCCAAAGCTTTATTCATGATGTAGGCCTGTACCCA
GACCAGGAAGCCATCCACACTCTTTCGGCTCAGCTGGATCTCCCCAAACACACCATCATC
AAGTTCTTCCAGAACCAGCGGTACCACGTGAAGCACCACGGGAAGCTGAAAGAGCACCTG
GGCTCCGCGGTGGACGTGGCTGAATATAAGGACGAGGAGCTGCTGACCGAGTCAGAGGAG
AACGACAGCGAGGAAGGCTCCGAGGAGATGTACAAAGTGGAGGCTGAGGAGGAAAATGCT
GACAAAAGCAAGGCAGCACCTGCCGAAATTGACCAGAGATAA

Restriction Sites: Please inquire

ACCN: NM_001172509

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:	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_001172509.1, NP_001165980.1
RefSeq Size:	5730 bp
RefSeq ORF:	2202 bp
Locus ID:	23314
UniProt ID:	Q9UPW6
Cytogenetics:	2q33.1
Protein Families:	Transcription Factors

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript. 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.