

Product datasheet for **SC114001**

CC2D1A (NM_017721) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CC2D1A (NM_017721) Human Untagged Clone
Tag:	Tag Free
Symbol:	CC2D1A
Synonyms:	Aki-1; FREUD-1; Freud-1/Aki1; Lgd2; MRT3; TAPE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114001 sequence for NM_017721 edited (data generated by NextGen Sequencing)

```

ATGCACAAGAGGAAAGGACCCCCGGGACCCCCGGGCAGAGGCCGCGCGGCCGCCAG
CTGGGCCTGCTGGTTGACCTCTCCCCAGATGGCCTGATGATCCCTGAGGACGGGGCTAAC
GATGAAGAAGTGGAGGCTGAGTTCTTGGCTTTGGTCGGGGGCCAGCCCCAGCCCTGGAG
AAGCTCAAAGGCAAAGGTCCCTTGCCGATGGAGGCCATTGAGAAGATGGCCAGCCTGTGC
ATGAGAGACCCGGATGAGGATGAGGAGGAGGGACGGATGAGGACGACTTGGAGGCTGAT
GATGACCTGCTGGCGGAGCTAAATGAGGTCCTTGGAGAGGAGCAGAAGGCTTCAGAGACC
CCACCTCTGTGGCCAGCCGAAGCCTGAGGCCCTCATCCGGGGCTGGAGACCACCTTG
CAGGAGAGGCTGGCGCTCTATCAGACAGCAATTGAAAGCGCCAGACAAGCTGGAGACAGC
GCCAAGATGCGGGCTACGATCGGGGGTTAAACACTGGAACCTGCTCGCCTCCATC
CGTAAGGGCAATGCCATTGACGAAGCGGACATCCCGCCGCCAGTGGCCATAGGAAAAGGC
CCGGCGTCCACGCCTACCTACAGCCCTGCACCCACCCAGCCGGCCCTAGAATCGCGTCA
GCCCCAGAGCCCAGGGTCACCCTGGAGGGACCTTCTGCCACCGCCCCAGCCTCATCTCCA
GGCTTGGCTAAGCCCCAGATGCCCCAGGTCCTGCAGCCCTGGCCCTCTGGCCAGTTG
CAGAGCCGCCAGCGGACTACAAGCTGGCTGCCCTCCACGCCAAGCAGCAGGGAGATAACC
ACTGCTGCCGCTAGACACTTCCGCGTGGCTAAGAGCTTTGATGCTGTCTTGGAGGCCCTG
AGCCGGGTGAGCCCGTGACCTCTCCTGCCTGCCCTCCACCCGACCAGCTGCCCCCA
GACCCACCGTCACCACCGTCGCAGCCTCCGACCCCGCTACGGCGCCCTCCACAACAGAG
GTGCCCCACCCCGAGGACCCTGCTGGAGGCGCTGGAGCAGCGGATGGAGCGGTACCAG
GTGGCCGAGCCAGGCCAAGAGCAAGGGGACCAGCGGAAAGCTCGAATGCACGAGCGC
ATCGTCAAGCAATACCAAGATGCCATCCGAGCCACAAGGCTGGCCGAGCCGTGGATGTC
GCTGAATTGCCCGTGCCCCAGGCTTCCCCCAATCCAGGGCCTGGAGGCCACCAAGCCC
ACCCAGCAGAGTCTGGTGGCGTCTGGAGACTGCCATGAAGCTGGCCAACCAGGATGAA
GGCCAGAGGATGAAGAGGATGAGGTGCCTAAGAAGCAGAACAGCCCTGTGGCCCCACA
GCCAGCCCAAAGCCCCACCCTCAAGAAGTCCAGTCCGGATCAGCCCCAACAGCCAAA
GCGCCCCCAAAGCCACATCCACCAGAGCCAGCAGCAGCTGGCCTTCTAGAGGGCCGC

```



[View online »](#)

```
AAGAAGCAGCTCCTGCAGGCCGCACTGCGAGCCAAGCAGAAAAACGACGTGGAGGGTGCC
AAGATGCACCTGCGCCAAGCCAAGGGACTGGAGCCTATGCTGGAGGCCTCGCGCAATGGG
CTGCCTGTGGACATCACCAAGGTGCCGCTGCCCTGTCAACAAGGACGACTTTGCCCTG
GTCCAGCGGCCTGGCCCGGGTCTGTCTCAGGAGGCCGCCCGGGCGCTATGGTGAATCACC
AAGCTCATACGGCAGCAGCAGAGATGTGCCTGAACCACTCAAACCAATTCACCCAGCTG
GGCAACATCACTGAAACCACCAAGTTTAAAAAGTTGGCGGAGGACTGTAAGCGGAGCATG
GACATTTGAAGCAAGCCTTCGTCCGGGGTCTCCCCACGCCACCGCCCGCTTTGAGCAA
AGGACCTTCAGCGTCATCAAGATCTTCCCTGACCTCAGCAGCAACGACATGCTCCTCTTC
ATCGTGAAGGGCATCAACTTGCCACACCCCCAGGACTGTCCCCTGGCGATCTGGATGTC
TTTGTTCGGTTTGACTTCCCCTATCCCAACGTGGAAGAAGCTCAGAAAGACAAGACCAGT
GTGATCAAGAACACAGACTCCCCTGAGTTCAAGGAGCAGTTCAAACCTCTGCATCAACCGC
AGCCACCGTGGCTTCCGAAGGGCCATCCAGACCAAGGGCATCAAGTTCGAAGTGGTTCAC
AAGGGGGGCTGTCAAGACTGACCGGGTCTGGGGACAGCCAGCTGAAGCTGGATGCA
CTGGAGATAGCATGTGAGGTCCGGGAGATCCTTGAGGTCTGGATGGTCGCCGCCACACA
GGGGGGGACTGGAGTAATGGTCCGGATTCGGGAGCCACTGACAGCCCAGCAGTTGGAG
ACGACGACAGAGAGGTGGCTGGTATTGACCCTGTGCCGGCAGCTGTGCCACACAGGTT
GCTGGGCCCAAAGGGAAGGCCCTCCTGTGCTGCCCTGCAAGGGAGTCAGGGAACAGA
TCAGCCCGGCCCTGCATAGCCTCAGTGTGCTGGCGTTTGACCAAGAGCGTCTGGAGCGG
AAGATCCTGGCCCTCAGGCAGGCGCGGCCGGTGCCCCAGAAGTGGCCAGCAGTAC
CAGGACATCATGCAACGCAGCCAGTGGCAGAGGGCACAGCTGGAGCAGGGGGTGTGGGC
ATCCGACGGGAATACGCAGCCAGCTGGAGCGGCAGCTGCAGTTCTACACGGAGGCTGCC
CGGCGCTGGGCAACGATGGCAGCAGGGATGCTGCAAAGGAGGCGCTCTATAGCCGGAAT
CTGGTAGAGAGTGAGCTGCAGCGGCTCCGCAGGTGA
```

Clone variation with respect to NM_017721.4
1281 t=>c

Restriction Sites:

Please inquire

ACCN:

NM_017721

Insert Size:

3600 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 is a TrueClone. Both 5' and 3' sequences, digest size match NM_017721.2.

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_017721.2](#), [NP_060191.2](#)

RefSeq Size:

3715 bp

RefSeq ORF: 2853 bp

Locus ID: 54862

UniProt ID: [Q6P1N0](#)

Cytogenetics: 19p13.12

Domains: C2, DM14

Gene Summary: This gene encodes a transcriptional repressor that binds to a conserved 14-bp 5'-repressor element and regulates expression of the 5-hydroxytryptamine (serotonin) receptor 1A gene in neuronal cells. The DNA binding and transcriptional repressor activities of the protein are inhibited by calcium. A mutation in this gene results in a nonsyndromic form of cognitive disability (MRT3). [provided by RefSeq, Jul 2017]