

Product datasheet for **SC314054**

CC2D1A (AK000482) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CC2D1A (AK000482) Human Untagged Clone
Tag:	Tag Free
Symbol:	CC2D1A
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK000482, the custom clone sequence may differ by one or more nucleotides

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ATGCGGGCTACGATCGGGGGCTTAAAACACTGGAAAACCTGCTCGCCTCCATCCGTAAG
GGCAATGCCATTGACGAAGCGGACATCCCGCCGAGTGGCCATAGGAAAAGGCCGGCG
TCCACGCCTACCTACAGCCCTGCACCCACCCAGCCGGCCCTAGAATCGCGTCAGCCCA
GAGCCCAGGGTCACCCTGGAGGGACCTTCTGCCACCGCCCGCCCTCATCTCCAGGCTTG
GCTAAGCCCCAGATGCCCCAGGTCCCTGCAGCCCTGGCCCTCTGGCCAGTTGCAGAGC
CGCCAGCGGACTACAAGCTGGTGCCTCCACGCCAAGCAGCAGCTGGCCTTCTTAGAG
GGCCGCAAGAAGCAGCTCCTGCAGGCCGACTGCGAGCCAAGCAGAAAAACGACGTGGAG
GGTGCCAAGATGCACCTGCGCCAAGCCAAGGGACTGGAGCCTATGCTGGAGGCCTCGCGC
AATGGGCTGCCTGTGGACATCACCAAGGTGCCGCTGCCCTGTCAACAAGGACGACTTT
GCCCTGTTCCAGCGGCTGGCCGGGTCTGTCTCAGGAGGCCCGCCGGCGCTATGGTGAA
CTCACCAAGCTCATACGGCAGCAGCAGAGATGTGCCTGAACCACTCAAACCAATTCACC
CAGCTGGGCAACATCACTGAAACCACCAAGTTTAAAAAGTTGGCGGAGGACTGTAAGCGG
AGCATGGACATTCTGAAGCAAGCCTTCGTCGGGGTCTCCCCACGCCACCGCCGCTTT
GAGCAAAGGACCTTCAGCGTCGTAAGATCTTCCCTGACCTCAGCAGCAACGACATGCTC
CTTTCATCGTGAAGGGATCAACTTGCCACACCCCGAGGACTGTCCCCTGGCGATCTG
GATGTCTTTGTTGCGTTTGACTTCCCCTATCCCAACGTGGAAGAAGCTCAGAAAGACAAG
ACCAAGTGTGATCAAGAACACAGACTCCCCTGAGTTCAAGGAGCAGTTCAAACCTGCATC
AACCAGCCAGCCACCGTGGCTTCCGAAGGGCCATCCAGACCAAGGGCATCAAGTTGGAAGTG
GTTCAAGGGGGGGGCTGTTCAAGACTGACCGGGTGTGGGGACAGCCAGCTGAAGCTG
GATGCACTGGAGATAGCATGTGAGGTCCGGGAGATCCTTGAGGTCTGGATGGTCCGCCG
CCCACAGGGGGGGGACTGGAGGTAATGGTCCGGATTCCGGAGCCACTGACAGCCAGCAG
TTGGAGACGACGACAGAGAGGTGGTGGTCAATTGACCTGTGCCGGCAGCTGTGCCACA
GTTGCTGGGCCAAAGGGAAGGCCCTCCTGTGCTGCCCTGCAAGGGAGTCAGGGAAC
AGATCAGCCCGGCCCTGCATAGCCTCAGTGTGCTGGCGTTTGACCAAGAGCGTCTGGAG
CGGAAGATCCTGGCCCTCAGGCAGGCGCGGGCGGCGTGCCTCCAGAAAGTGGCCAGCAG
TACCAGGACATCATGCAACGCAGCCAGTGGCAGAGGGCACAGCTGGAGCAGGGGGGTGTG
GGCATCCGACGGGAATACGCAGCCAGCTGGAGCGGCAGCTGCAGTTCTACACGGAGGCT
GCCCGGCGCTGGGCAACGATGGCAGCAGGGATGCTGCAAAGGAGGCGCTCTATAGGCGG
AATCTGGTAGAGAGTGAGCTGCAGCGGCTCCGCAGG

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Restriction Sites: Please inquire



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ACCN:	AK000482
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:	<u>AK000482.1</u> , <u>BAA91194.1</u>
RefSeq Size:	2245 bp
RefSeq ORF:	1719 bp
Locus ID:	54862
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]