

## **Product datasheet for SC326386**

## CC2D2A (NM 020785) Human Untagged Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** CC2D2A (NM\_020785) Human Untagged Clone

Tag: Tag Free Symbol: CC2D2A

Synonyms: COACH2; JBTS9; MKS6

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC326386 representing NM\_020785.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

**ACGCGTACGCGGCCGCTC**GAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** Sgfl-Mlul

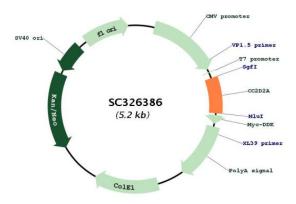
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## Plasmid Map:



**ACCN:** NM\_020785

**Insert Size:** 369 bp

**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 <a href="mailto:customercom">customercom</a> 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. <u>More info</u>



MW:

## CC2D2A (NM\_020785) Human Untagged Clone - SC326386

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:** <u>NM 020785.2</u>

 RefSeq Size:
 1682 bp

 RefSeq ORF:
 369 bp

 Locus ID:
 57545

 UniProt ID:
 Q9P2K1

 Cytogenetics:
 4p15.32

**Gene Summary:** This gene encodes a coiled-coil and calcium binding domain protein that appears to play a

critical role in cilia formation. Mutations in this gene cause Meckel syndrome type 6, as well as Joubert syndrome type 9. Alternative splicing results in multiple transcript variants. [provided

by RefSeq, Sep 2009]

13.6 kDa

Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region that results in a frameshift, and differs in the presence and absence of exons at its 3' end, compared to

variant 1. The encoded isoform (b) has a distinct and significantly shorter C-terminus,

compared to isoform a.