

## Product datasheet for **RC211896**

### CCDC43 (NM\_144609) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | CCDC43 (NM_144609) Human Tagged ORF Clone                                   |
| Tag:                      | Myc-DDK   |
| Symbol:                   | CCDC43  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC211896 representing NM_144609<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGCCAGCGAAGTGGCCGCGATAGCCCTGGCGAAGGCGATGGCGGAGCGCGGCTTTGGCT  
CCTGGCTGGACGACGGTTGGAGGCACTGGGAGTGGACCGAGCCGTTTATGGAGCCTACATCTTGGGTAT  
CCTGCAGGAGGAGGAGGAAGAAGAGAAGCTGGACGCTCTGCAGGGGATCCTCTGCTTTCTGGAAGAA  
GATTCCTCCTTAATATCTGCAAGGAGATTGTGGAACGATGGTCAGAACTCAGAATGTTGTCACCAAAG  
TGAAAAAAGAAGATGAAGTACAGGCCATTGCCACCCTAATTGAGAAGCAGGCACAAATCGTAGTAAAGCC  
AAGGATGGTGTGTCAGAAGAGGAGAAGCAGAGAAAAGCTGCCTCCTGGCCAGTATGCTGATGTGACAGAT  
GAAGAGGATGAAGCAGATGAGAAGGATGATTCAAGTGCTACCACAATGAACATTGGTTCTGACAACTTC  
TGTTCCGAAACACCAATGTGGAAGATGTCCTTAATGCCCGAAAAGTGGAGCGAGACTCACTTCGGGATGA  
ATCCCAAAGGAAGAAGGAACAGGACAAGCTGCAGAGGGAGAGAGACAACTAGCCAAGCAGGAGCGCAAG  
GAAAAGGAAAAAAGGACACAGAGAGGGGAGCGAAAGCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |  |
|-------------------|--|
| Protein Sequence: | >RC211896 representing NM_144609<br>Red=Cloning site Green=Tags(s) |
|-------------------|--|

MAAPSEVAAIAPGEGDGGGGGFSWLDGRLEALGVDRVYGAYILGILQEEEEEEKLDALQGILSAFLEE  
DSLLNICKEIVERWSETQNVVTKVKKEDVQAIATLIEKQAIIVKPRMVSEEEKQKKAALLAQYADVTD  
EEDEADEKDDSGATTMNI GSKLLFRNTNVEDVLNARKLERDSL RDESQRKKEQDKLQ RERDKLAKQERK  
EKEKRTQRGERKR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

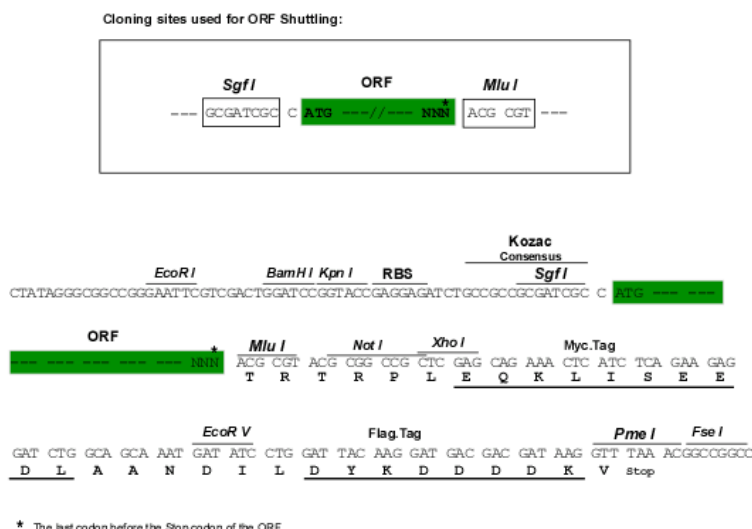


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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8024\\_h12.zip](https://cdn.origene.com/chromatograms/mk8024_h12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_144609

**ORF Size:** 672 bp

**OTI Disclaimer:** 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_144609.3](#)

**RefSeq Size:** 2082 bp

**RefSeq ORF:** 675 bp

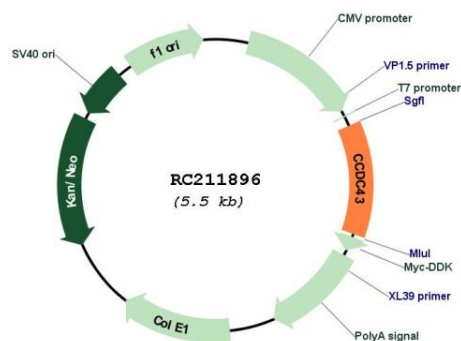
**Locus ID:** 124808

UniProt ID: Q96MW1

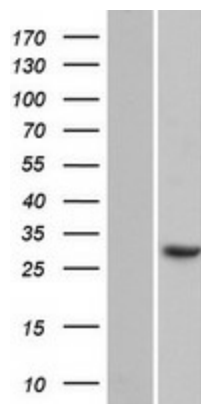
Cytogenetics: 17q21.31

MW: 25.1 kDa

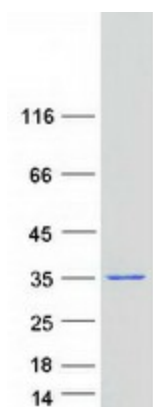
## Product images:



Circular map for RC211896



Western blot validation of overexpression lysate (Cat# [LY408244]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211896 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC43 protein (Cat# [TP311896]). The protein was produced from HEK293T cells transfected with CCDC43 cDNA clone (Cat# RC211896) using MegaTran 2.0 (Cat# [TT210002]).