

## Product datasheet for **RC238440**

### **FAM190B (CCSER2) (NM\_001284242) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Product Type:             | Expression Plasmids                                    |
| Product Name:             | FAM190B (CCSER2) (NM_001284242) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                                |
| Symbol:                   | FAM190B                                                |
| Synonyms:                 | bA486O22.1; FAM190B; Gcap14; KIAA1128                  |
| Mammalian Cell Selection: | Neomycin                                               |
| Vector:                   | pCMV6-Entry (PS100001)                                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                   |



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**ORF Nucleotide Sequence:**

>RC238440 representing NM\_001284242  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCGCTTTGACCGACCAGACAGAAATGTTTCGGCAGCCTCAGGAAGGTTTTTGAAAAGGCCACCCC  
 AGAGGTGGAGTGGACAGGAGCATTACCACCTCAGCCACCCTGACCACTATCATCACCATGGAAAAAGTGA  
 CTTGAGCAGAGGCTCTCCCTATAGAGAATCTCCTTTGGGTCAATTTGAAAGCTATGGAGGATGCCTTT  
 TTCCAGGCTCAGAAGATGTTTGTGATGTACCAGAAAATACAGTGATACTGGATGAGATGACCTTCGGC  
 ACATGGTTCAGGATTGCACTGCTGTAAAACTCAGTTACTCAAACGAAACGTCCTGCATCAGCATGA  
 TGGAGTGGTTCATTGCATGATTTCACTGTCATTGCCATCCAGTCCAGAACCAGAAGATGGTGATAAA  
 GTATATAAGAATGAAGATTTATTAATGAAATAAAACAACCTAAAGACGAAATAAAGAAAAAGATGAAA  
 AGATCCAACTATTAGAACTTCAGCTTGCAACTCAGCATATCTGCCACAAAAATGTAAGAGGAAAAATG  
 CACTTATGCTGATAAATATACCCAAACACCCTGGAGACGAATTCCTCCTCAAGTACTACAGCCTTCAGC  
 AGCCTTCCAGACCCACAGATCACACCCAGGAAAACTAATAAGCCACAACGTATCGAGGCCCGCAGTG  
 AATGCTCAATCCAAGACATGCATCAGGGCGGTGCACATCCGGAAGAAAGCTTTACACACGCTTGCACCA  
 AGAAAGCAACTATGGTTTGAAGAGCAGCCTTTTTCATCAGGCCCAATTAACAATGGATGTGGCTAAG  
 AGTACACCTTCTGAAGCAAACTTAACATTACTGTAAATGCTCAAGAGCCTTATCATTTGGCAAACAATC  
 AAATTAGTGACATGCAGTTTATACCCACTTCTCTTCAGACACCTCCCGAGTCAAGTACAGTAGACCAGGC  
 TAAGAGAGTTGGAAGAAATCAGTCTCCGCCAGTGGGTTATATGTCTCAGCCCAAGTCTTGACGCTTTTA  
 AAGCCATCCATATTGAGTCTTTTGGTACCGCCTCCAGTTTCTGAATCATCTCCAAGTAGGACTCCCACTT  
 GTAAAAAGTCACCAATAATCACAACATGAATTCAGCAAACTTCAGCCAACATCTAGTCAAAACAAATCT  
 TGCAAAATAATCAGAATCTGAAAGCATCTAAGTCCGCCCCCTCAGGCTCTTTCAAACAAAAACAAACA  
 AACAGCCCCCACTAGAGCCTCAAAGCTTCCAGGCCAAGACAAGCATCCCAAGGCCACTAACACAACGAA  
 AAGAAATCATGCAGAATCCAAATGGCAATTTGCATTCTGGGGATTGTTTGGCCTCTAATCGATATTCTCG  
 TCTTCCTAAACCAAGATACAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

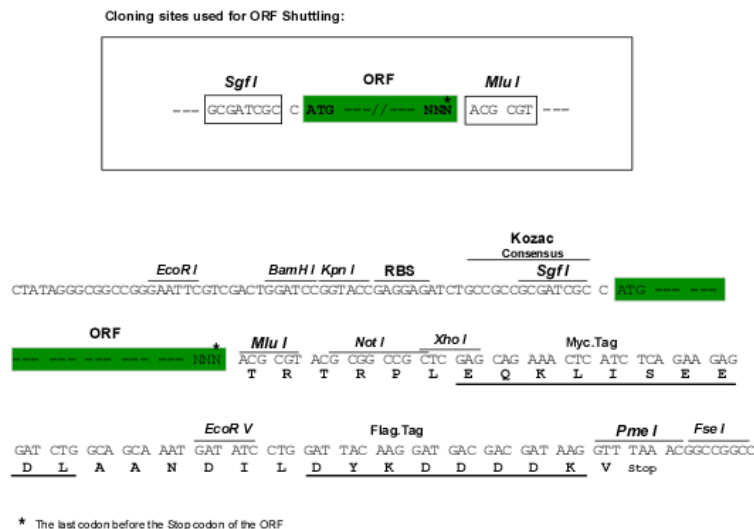
>RC238440 representing NM\_001284242  
 Red=Cloning site Green=Tags(s)

MNRFDRPDRNVRPQEGFWKRPPQRWSGQEHYHLSHPDHYHHHGKSDL SRGSPYRESPLGHFESYGGMPF  
 FQAQKMFVDVPENTVILDEMTLRHMQDCTAVKTQLLKLKRLHQHDGSGSLHDIQLSLPSSPEPEDGDK  
 VYKNEDLLNEIKQLKDEIKKKDEKIQLELQLATQHICHQKCKEEKCTYADKYTPWRRIPPQVLQPSS  
 SLPRPTDHTQGKLIKQRIEARSECSIQDMHQGGAHPEESFTHVLHQESNYGLEEQPFSSGPQLTMDVAK  
 STPSEANLNITVNAQEPYHLANNQISDMQFIPTSLQTTPESSTVDQAKRVGRNQSPPVGYMSQPKSLQLL  
 KPSILSSLVPPPVSSESPSRPTCKKSPIITTCNSAKLQPTSSQTNLANNQNLKASKLRPPSGSFQKQKT  
 NSPQLEPQSFQAKTSIPRPLTQRKEIMQNPNGNLHSGDCLASNRYSRLPKPKIH

**TR**TRPLE**QKL**ISEEDLAAND**ILDYKDDDDK**V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001284242

**ORF Size:** 1422 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001284242.2](#)

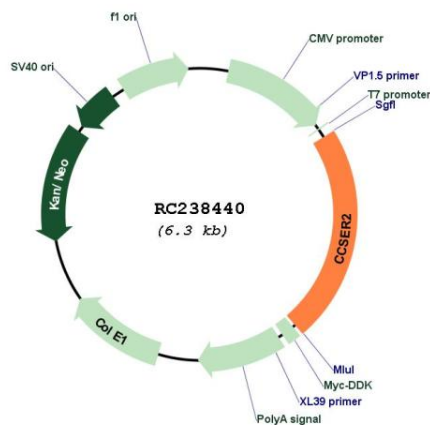
**RefSeq Size:** 5756 bp

**RefSeq ORF:** 1425 bp

**Locus ID:** 54462

**UniProt ID:** Q9H7U1  
**Cytogenetics:** 10q23.1  
**Protein Families:** Druggable Genome  
**MW:** 54.2 kDa  
**Gene Summary:** Microtubule-binding protein which might play a role in microtubule bundling.  
 [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC238440