

## Product datasheet for **RC221194**

### **FAM130A1 (CSRNP2) (NM\_030809) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                      |
|---------------------------|------------------------------------------------------|
| Product Type:             | Expression Plasmids                                  |
| Product Name:             | FAM130A1 (CSRNP2) (NM_030809) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                              |
| Symbol:                   | FAM130A1                                             |
| Synonyms:                 | C12orf2; C12orf22; FAM130A1; PPP1R72; TAIP-12        |
| Mammalian Cell Selection: | Neomycin                                             |
| Vector:                   | pCMV6-Entry (PS100001)                               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                 |



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**ORF Nucleotide Sequence:**

>RC221194 representing NM\_030809  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGGATGCATTACGGGCTCGGGTCTCAAGAGGAAGTTTGATGATGTGGATGTGGGCTCATCAGTTTCCA  
 ACTCAGATGATGAGATCTCCAGCAGTGATAGTGTGACAGCTGCGACAGCCTCAATCCTCTACCACTGC  
 CAGCTTACACCCACATCCATCCTGAAGCGGCAGAAGCAGCTGCGGAGGAAGAATGTACGCTTTGACCAG  
 GTGACTGTATACTACTTTGCCGGCGCCAAAGTTTACCAGTGTGCCAGCCAGGGTGGTAGCTCTCTGG  
 GCATGGCCAGCGCCATAACTCTGTACGGAGCTATACACTCTGTGAGTTTCCCAGGAACAGGAGGTGAA  
 CCATCGAGAGATTCTGCGTGAGCACCTGAAGGAAGAGAACTCCATGCCAAGAAAATGAAGCTGACCAAG  
 AATGGGACAGTGGAGTCGGTGGAGGCTGATGGCCTGACGCTGGATGATGTGTGATGAAGATATTGATG  
 TGGAAAATGTGGAGTGGATGATTACTTCTTCTGACGCTCTGCCACCAAACGGCGACGGGCCCTGCT  
 GAGGGCTTCTGGGTCCACCGTATTGATGCTGAAGAGAAGCAAGAACTTCGAGCCATCCGCTGTACCGG  
 GAAGAATGTGGTTGTGACTGCCGACTGTATTGTGACCCAGAAGCGTGTGCTGCAGCCAGGCTGGGATTA  
 AATGCCAGGTGGATCGCATGTCTTTCCATGTGGCTGCTCCCGGATGGCTGTGGGAACATGGCAGGACG  
 CATTGAATTTAATCCAATCCGGGTCCGGACTCATTACCTCCACACCATTATGAAGCTGGAGCTGGAGAGC  
 AAGCGGCAGGTGAGCCGCCAGCAGCCCATGAGGAGCCCTCCCGACTGCCAGTTGCAGCCTGACAG  
 GAGCACAGGGCTCTGAGACCCAGGACTTCCAGGAGTTCATTGCTGAGAATGAGACAGCAGTGATGCACCT  
 GCAGAGTGCAGAGGAAGTGGAGCGGCTCAAGGCAGAAGAAGATTCCAGCGGCTCTAGTGCCAGCCTGGAC  
 TCGAGCATCGAGAGCCTGGGTGTGTGCATCCTAGAGGAGCCTCTGGCTGTCCCGAAGAGCTGTGCCAG  
 GCCTTACAGCCCCATTCTCATCAGGCTCAGCTGCCCCAGGCTCCTCTGTCTGTGTTTTACCGAGAA  
 CTGAGACCACCAACTGCCTCAACGGTGAACAGCCCATCCTACTTGAACAGTGGGCCCTGGTCTATTAT  
 CAAGTGGAGCAGAGGCCAGTCTTGGAGTGAAAGGAGAGCCTGGTACGGAAGAAGGCTCAGCCTCTTTCC  
 CAAAGGAGAAGGATCTGAATGTCTTCTCTCTCCCTGTTACCTCACTCGTGGCTTGTAGCTCCACAGACCC  
 AGCTGCCCTCTGTAAATCAGAGGTGGGGAACACCCACCCTAGAAGCTCTATTGCCCGAAGATTGTAAC  
 CCTGAGGAGCCTGAAAATGAAGACTTCCACCCTTCTGGTCCCCCTCAAGCCTCCCTTCCGCACGGACA  
 ATGAAGAGGGCTGTGGGATGGTGAAGACCTCCAGCAGAATGAGGATCGGCCCTGAAGATTCTTCCTT  
 AGAACTCCCTCTGGCAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC221194 representing NM\_030809  
 Red=Cloning site Green=Tags(s)

MDAFTGSLKRFDDVDVGSSVNSDDEISSSDSADSCDSLNPPTTASFTPTSILKRQKQLRRKNVRFQ  
 VTYYYFARRQGFTSVPSQGGSSLGMAQRHNSVRSYTLCEFAQEVEVNHREILREHLKEEKLHAKMKLTK  
 NGTVESVEADGLTDDVSDDEDIDVENVEVDYFFLQPLPTKRRRALLRASGVHRIDAEEKQELRAIRLSR  
 EECGDCRLYCDPEACACSQAGIKQVDRMSFPCGCSRDCGNMAGRIEFNPIRVRTHYLHTIMKLELES  
 KRQVSRPAAPDEEPSPTASCSLTGAQGSSETQDFQEFIAENETAVMHLQSAEELERLKAEDSSGSSASLD  
 SSIESLGVCILEEPLAVPEELCPGLTAPILIQAQLPPGSSVLCFTENS DHPTASTVNPSYLSNGLPVYY  
 QVEQRPVLGVKGEPTGEEGSASFPEKDLNVFSLPVTSLVACSSTDPAALCKSEVGKTPTLEALLPEDCN  
 PEEPENEDFHPSWSPSSLPFRDNEEGGMVKTSQONEDRPPEDSSLELPLAV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6482\\_c07.zip](https://cdn.origene.com/chromatograms/mk6482_c07.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_030809

**ORF Size:** 1629 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\\_030809.3](#)

**RefSeq Size:** 4469 bp

**RefSeq ORF:** 1632 bp

**Locus ID:** 81566

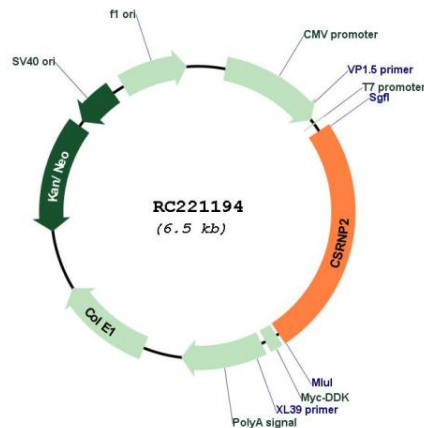
UniProt ID: [Q9H175](#)

Cytogenetics: 12q13.12

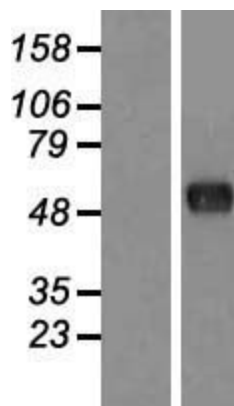
MW: 59.4 kDa

**Gene Summary:** The protein encoded by this gene belongs to the CSRNP family of nuclear proteins that share conserved regions, including cysteine- and serine- rich regions, a basic domain, a transcriptional activation domain, and bind the sequence 'AGAGTG', thus have the hallmark of transcription factors. Studies in mice suggest that these genes may have redundant functions. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2011]

## Product images:



Circular map for RC221194



Western blot validation of overexpression lysate (Cat# [LY410704]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221194 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).