

Product datasheet for **RG221194**

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:	TurboGFP
Symbol:	FAM130A1
Synonyms:	C12orf2; C12orf22; FAM130A1; PPP1R72; TAIP-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221194 representing NM_030809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCATTACGGGCTCGGGTCTCAAGAGGAAGTTTGATGATGTGGATGTGGGCTCATCAGTTTCCA
 ACTCAGATGATGAGATCTCCAGCAGTGATAGTGTGACAGCTGCGACAGCCTCAATCCTCTACCACTGC
 CAGCTTACACCCACATCCATCCTGAAGCGGCAGAAGCAGCTGCGGAGGAAGAATGTACGCTTTGACCAG
 GTGACTGTATACTACTTTGCCGGCGCCAAAGTTTACCAGTGTGCCAGCCAGGGTGGTAGCTCTCTGG
 GCATGGCCAGCGCCATAACTCTGTACGGAGCTATACACTCTGTGAGTTTCCCAGGAACAGGAGGTGAA
 CCATCGAGAGATTCTGCGTGAGCACCTGAAGGAAGAGAACTCCATGCCAAGAAAATGAAGCTGACCAAG
 AATGGGACAGTGGAGTCGGTGGAGGCTGATGGCCTGACGCTGGATGATGTGTGATGAAGATATTGATG
 TGGAAAATGTGGAGTGGATGATTACTTCTTCTGACGCTCTGCCACCAAACGGCGACGGGCCCTGCT
 GAGGGCTTCTGGGGTCCACCGTATTGATGCTGAAGAGAAGCAAGAACTTCGAGCCATCCGCTGTCACGG
 GAAGAATGTGTTGTGACTGCCGACTGTATTGTGACCCAGAAGCGTGTGCTGCAGCCAGGCTGGGATTA
 AATGCCAGGTGGATCGCATGTCTTTCCATGTGGCTGCTCCCGGATGGCTGTGGGAACATGGCAGGACG
 CATTGAATTTAATCCAATCCGGGTCCGGACTCATTACCTCCACACCATTATGAAGCTGGAGCTGGAGAGC
 AAGCGGCAGGTGAGCCGCCAGCAGCCCATGAGGAGCCCTCCCGACTGCCAGTTGCAGCCTGACAG
 GAGCACAGGGCTCTGAGACCCAGGACTTCCAGGAGTTCATTGCTGAGAATGAGACAGCAGTGATGCACCT
 GCAGAGTGCAGAGGAAGTGGAGCGGCTCAAGGCAGAAGAAGATTCCAGCGGCTCTAGTGCCAGCCTGGAC
 TCGAGCATCGAGAGCCTGGGTGTGTGCATCCTAGAGGAGCCTCTGGCTGTCCCGAAGAGCTGTGCCAG
 GCCTTACAGCCCCATTCTCATCCAGGCTCAGCTGCCCCAGGCTCCTCTGTCTGTGTTTTACCGAGAA
 CTCAGACCACCCAACTGCCTCAACGGTGAACAGCCCATCCTACTTGAACAGTGGGCCCTGGTCTATTAT
 CAAGTGGAGCAGAGGCCAGTCTTGGGAGTGAAAGGAGAGCCTGGTACGGAAGAAGGCTCAGCCTCTTTCC
 CAAAGGAGAAGGATCTGAATGTCTTCTCTCTCCCTGTTACCTCACTCGTGGCTTGTAGCTCCACAGACCC
 AGCTGCCCTCTGTAAATCAGAGGTGGGGAACACCCACCCTAGAAGCTCTATTGCCCGAAGATTGTAAC
 CCTGAGGAGCCTGAAAATGAAGACTTCCACCCTTCTGGTCCCCCTCAAGCCTCCCTTCCGCACGGACA
 ATGAAGAGGGCTGTGGGATGGTGAAGACCTCCAGCAGAATGAGGATCGGCCCTGAAGATTCTCCTT
 AGAACTCCCTCTGGCAGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221194 representing NM_030809
 Red=Cloning site Green=Tags(s)

MDAFTGSLKRRKFDVDVGSSVNSDDEISSSDSADSCDSLNPPTTASFTPTSILKRRKQLRRKNVRFQ
 VTVYYFARRQGFTSVPSQGGSSLGMAQRHNSVRSYTLCEFAQEVEYNHREILREHLKEEKLHAKKMKLTK
 NGTVESVEADGLTDDVSDDEDIDVENVEVDYFFLQPLPTKRRRALLRASGVHRIDAEEKQLRAIRLSR
 EECGDCRLYCDPEACACSQAGIKQVDRMSFPCGCSRDCGNMAGRIEFNPIRVRTHYLHTIMKLELES
 KRQVSRPAAPDEEPSPTASCSLTGAQGSSETQDFQEFIAENETAVMHLQSAEELERLKAEDSSGSSASLD
 SSIESLGVCIILEEPLAVPEELCPGLTAPILIQALPPGSSVLCFTENSDHPTASTVNSPSYLSNGLVYY
 QVEQRPVLGVKGEPTGEEGSASFPKEKDLNVFSLPVTSLVACSSTDPAALCKSEVGKTPTLEALLPEDCN
 PEEPENEDFHPSWSPSSLPFRDNEEGCMVKTSQONEDRPPEDSSLELPLAV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

RefSeq: [NM_030809.3](#)

RefSeq Size: 4469 bp

RefSeq ORF: 1632 bp

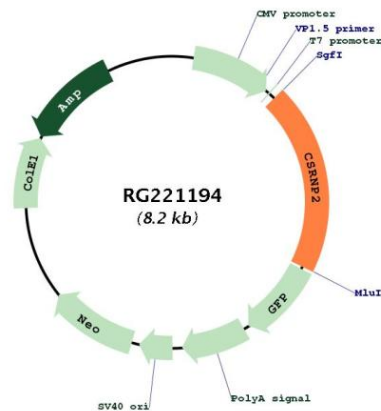
Locus ID: 81566

UniProt ID: [Q9H175](#)

Cytogenetics: 12q13.12

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 RG221194