

Product datasheet for **RC222404**

FAM130A2 (CSRNP3) (NM_024969) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM130A2 (CSRNP3) (NM_024969) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM130A2
Synonyms:	FAM130A2; PPP1R73; TAIP-2; TAIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC222404 representing NM_024969
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGGAAATTTAAAGAGGAAGTTGAAGAAGTTGACGGCTCCTCACCTGCTCTGTGAGGGAA
 CAGATGATGAAGTTCCAGCAGTGAAAGTGCTGACAGTGGGACAGTGCAATCCATCCACTTCTAGTCA
 TTTTACCCTTCTCCATTCTCAAAAGGGAGAAACGACTGAGGACAAAGATGTACATTTTGTGTGTC
 ACCGTGTACTACTTACCAGGAGGCAAGGCTTCAAGTGTGCCAGTCAAGGGGAAGCACCTGGGGA
 TGTCCAGCCGCATAACAGCGTGCAGTACTCTTGGCGAGTTTGAAGGGAGCAGGAGAGGCTCCA
 CCGGGAGATGTTGAGAGAACACCTTAGGGAGGAAAAGCTGAACCTCTAAAATAAAGATGACTAAGAT
 GGCACAGTAGAATCAGAAGAAGCCAGCACTTTACTGATGACATTTCTGATGATGACATTGACCTGG
 ACAACACAGAGGTAGATGACTTCTTCTACAACCTTTGCCAACAAAAAACGAAGAGCTCTGCTGCG
 TGCTCTGGAGTAAAAAGATTGACGTGGAAGAAAAGCACGAACCTCCGAGCCATCCGCTCTCACGAGAG
 GACTGTGGCTGTGACTGCCGAGTGTCTGTGATCCAGACAGTGCACCTGCAGCCTGGCTGGCATTAAAT
 GCCAGGTGGATCGTATGTCTTCCCATGCGGCTGCACTAAAGAAGGATGTAGTAACACAGCAGGTAGAAT
 TGAATTTAATCCTATCCGTGTTCCGACTCACTTTTGCACACAATAATGAACTTGAAGTGGAGAAAAAC
 CGAGAGCAGCAATCCCCACGCTGAATGGCTGCCACAGTGAGATAAGTGCTCACAGTAGTTCTATGGGCC
 CTGTGCTCACTCCGTAGAATATCAATCGCAGACAGTTTTGAGATTGAACTGAGCCCCAGGCTGCAGT
 GCTGCACCTGCAGTGGTGAAGAATTAGATTGCCAAGGAGAGGAGGAGGAAGAAGAGGAGGATGGGAGC
 AGCTTTTGCAGCGGAGTACAGATTCTAGCACGCAAAGCTTGGCACCTAGTGAGTCAGACGAGGAGGAGG
 AGGAAGAAGAAGAGGAGGAGGAGGAGGATGACGATGATGACAAAGGAGATGGCTTCTGTGAAGTTT
 GGGCACCCATGCCGAAGTTGTCCCTCTTCTTCAAGTTCTTTGTTATTCTGATGGCACCGCGTTCAGGAA
 AGCCATGCAAGAATGCTTCTTTTATGCCAACTCTCAACTCTGTATTACCAAAATAGATAGCCACATTC
 CAGGAACTCCAAATCAGATCTCTGAGAATATTCTGAAAGAGACTGTCAAAAATGGTACCCTTTCGCT
 GGTGCCTTACTATGACCCCGGAGCAATTCGTTGACTATGCCCGACAAGCAGAAGAGGCCATGTTGGTGC
 TCCACTACCCAGCTGCCAACCCCTCTGTAATCGTTTGTGCTCCTCTCCGAAAATGATAGCGGTGTGC
 CCTGCAATAGTTTATCCTGAACACAGGTCCAATCACCTCAAGTGAATTTCACTCATACTTGAAGG
 CCCCTCCCAAGAAGGTTTGTCTCTGCATTGAATGGTGACAGTCACATTTAGAGCATCCTGCTGAAAAT
 TCTTTGAGCCTTGAGAAAAGAGCATATTGCATGAAGAGTGCATCAATCACCCGTGGTTGAGACAGTCC
 CTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222404 representing NM_024969
 Red=Cloning site Green=Tags(s)

MSGILKRKFEEVDGSSPCSSVRESDDVEVSSSESADSGDSVNPSTSSHFTPSSILKREKRLRKTKNVHFCV
 TVYYFTRRQGFTSVPSQGGSTLGMSSRHNSVRQYTLGEFAREQERLHREMLREHLREEKLNLSLKLKMTKN
 GTVESEESTLTDIDDDIDLNTEVDEYFFLQPLPTKRRALLRASGVKKIDVEEKHELRAIRLSRE
 DCGDCRVFCDPDTCTCSLAGIKQVDRMSFPCGCTKEGCSNTAGRIEFNPIRVTRHFLHTIMKLELEKN
 REQQIPTLNGCHSEISAHSSMGPVAHSVEYSIADSFEIETEPQAAVLHLQSAEELDCQGEEDGGS
 SFCSGVTDSSQSLAPSESDDEEEEEEEEEEDDDDDKGDGFVEGLGTHAEVVPLPSVLCYSDGTAVHE
 SHAKNASFYANSSTLYYQIDSHIPGTPNQISENYSERDVTKNGTSLVPYMTPEQFVDYARQAEAYGA
 SHYPAANPSVIVCCSSSENDGVPNSLYPEHRSNHPQVEFHSHYKGPSQEGFVSALNGDSHISEHPAEN
 SLSLAEKSILHEECIKSPVETVPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6123_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024969

ORF Size: 1755 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_024969.3](#)

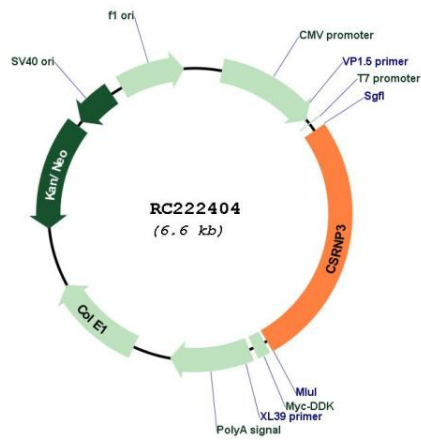
RefSeq Size: 2965 bp

RefSeq ORF: 1758 bp

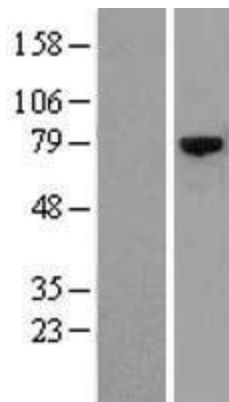
Locus ID: 80034

UniProt ID: [Q8WYN3](#)
 Cytogenetics: 2q24.3
 MW: 64.7 kDa
 Gene Summary: Binds to the consensus sequence 5'-AGAGTG-3' and has transcriptional activator activity. Plays a role in apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC222404



Western blot validation of overexpression lysate (Cat# [LY403042]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222404 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).