

Product datasheet for **RG220419**

CIKS (TRAF3IP2) (NM_147200) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIKS (TRAF3IP2) (NM_147200) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CIKS
Synonyms:	ACT1; C6orf2; C6orf4; C6orf5; C6orf6; CANDF8; CIKS; PSORS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220419 representing NM_147200
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTCCTCAGCTTCAAGAACTAGAATGAACCGAAGCATTCTGTGGAGTTGATGAATCAGAACCAT
 ACCCAAGTCAGTTGCTGAAACCAATCCCAGAATATCCCCGGAAGAGGAATCAGAACCACCTGCTCCAAA
 TATAAGGAACATGGCACCCAACAGCTTGTCTGCACCCACAATGCTTCACAATTCCTCCGGAGACTTTTCT
 CAAGCTCACTCAACCCTGAAACTTGCAAAATCACAGCGGCCTGTATCCCGGCAGGTCACCTGCCTGCGCA
 CTCAAGTTCTGGAGGACAGTGAAGACAGTTTCTGCAGGAGACACCAGGCCTGGGCAAAGCTTCCCTTC
 TGGGTGCTCTGCAGTCAGCGAGCCTGCGTCTGAGTCTGTGGTGGAGCCCTCCCTGCAGAGCATCAGTTT
 TCATTTATGAAAAACGTAATCAATGGCTGGTATCTCAGCTTTCAGCGGCTTCTCCTGACACTGGCCATG
 ACTCAGACAAATCAGACCAAAGTTACCTAATGCCTCAGCAGACTCCTTGGGCGGTAGCCAGGAGATGGT
 GCAACGGCCCCAGCCTCAGGAAACCGAGCAGGCCTGGATCTGCCAACCATAGACACGGGATATGATTCC
 CAGCCCCAGGATGTCCTGGGCATCAGGCAGCTGGAAGGCCCTGCCCTCACCTCCGTGTGTACCCCC
 AGGACCTCCCCAGACCTCTCAGGTCCAGGGAGTCCCTCAGTTTGAACCTCAGAGGTATCCAGCATGTGC
 ACAGATGCTGCCTCCCAATCTTTCCCCACATGCTCCATGGAACATCATTACCATTGTCCTGGAAGTCCC
 GATCACCAGGTGCCATATGGCCATGACTACCCTCGAGCAGCCTACCAGCAAGTGATCCAGCCGGCTCTGC
 CTGGGCAGCCCCGCTGCCTGGAGCCAGTGTGAGAGGCCTGCACCTGTGCAGAAGGTTATCTGAATTATCC
 CAGCCCCGTTGGACCAAGAAGAGAGGCCCGCACAGAGAGACTGCTCCTTCCGGGGCTTCCAAGGCACCAG
 GACCAGCCACATCACCAGCCACCTAATAGAGCTGGTGTCTCTGGGAGTCTTGGAGTGCCTGCAGAGC
 TGAGACCACAGGTTCCCGCCTCCGTCCTCCAGCTGCTGTGCCTAGACCCCTAGCAACCTCCAGCCAG
 AGGAACTCTAAAAACAAGCAATTTGCCAGAAGAATTGCGGAAAGTCTTTATCACTTATTCGATGGACACA
 GCTATGGAGGTGGTGAATTCGTAACCTTTTGTGGTAAATGGCTTCCAACTGCAATTGACATATTTG
 AGGATAGAATCCGAGGCATTGATATCATTAAATGGATGGAGCGCTACCTTAGGGATAAGACCGTGATGAT
 AATCGTAGCAATCAGCCCCAAATACAAACAGGACGTGGAAGGCGCTGAGTCGAGCTGGACGAGGATGAG
 CATGGCTTACATACTAAGTACATTATCGAATGATGCAGATTGAGTTCATAAAACAAGGAAGCATGAATT
 TCAGATTCATCCCTGTGCTCTTCCCAAATGCTAAGAAGGAGCATGTGCCACCTGGCTTCAGAACACTCA
 TGCTACAGCTGGCCCAAGAATAAAAAAACATCTGCTGCGGCTGCTGAGAGAGGAAGAGTATGTGGCT
 CCTCCACGGGGCTCTGCCACCCTTCAGGTGGTTCCTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG220419 representing NM_147200
 Red=Cloning site Green=Tags(s)

MPPQLQETRMNRSIPVEVDESEPYPSQLLKIPIEYSPEESEPAPNIRNMAPNSLSAPTMLHNSGDFS
 QAHSTLKLANKRQPVSRQVTLRTQVLESDSFCRRHPGLGKAFPSGCSAVSEPASESVVGALPAEHQF
 SFMEKRNQWLVSQLSAASPDTHDSDKSDQSLPNASADSLGGSQEMVQRPQPHRNRAGLDLPTIDTGYDS
 QPQDVLGIRQLERPLPLTSVCYPQDLRPLRSREFPQFEPQRYPACAQMLPPNLSHPAPWNYHYHCPGSP
 DHQVPYGHDPRAAYQQVIQPALPGQPLPGASVRGLHPVQKVIILNYPSPWDQEERPAQRDCSFPGLPRHQ
 DQPHHQPPNRAAGPAGESLECPAELRPQVPQPPSPAAPVPPSPNPPARGTLKTSNLPEELRKVFITYSMDT
 AMEVVKFVNFLLVNGFQTAIDIFEDRIRGIDIKWMERYLRDKTVMIIVAISPKEYKQDVEGAESQLDEDE
 HGLHTKYIHRMMQIEFIKQGS MNFRFIPVLPNKKKEHVPTWLQNTHVYSWPKNKNILLRLLREEEYVA
 PPRGPLPTLQVVPL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_147200

ORF Size: 1722 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_147200.1](#), [NP_671733.1](#)

RefSeq Size: 2366 bp

RefSeq ORF: 1725 bp

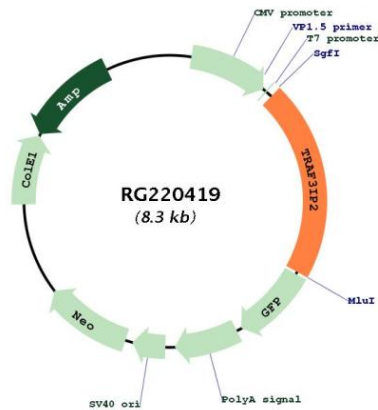
Locus ID: 10758

UniProt ID: [O43734](#)

Cytogenetics: 6q21

Gene Summary:

This gene encodes a protein involved in regulating responses to cytokines by members of the Rel/NF-kappaB transcription factor family. These factors play a central role in innate immunity in response to pathogens, inflammatory signals and stress. This gene product interacts with TRAF proteins (tumor necrosis factor receptor-associated factors) and either I-kappaB kinase or MAP kinase to activate either NF-kappaB or Jun kinase. Several alternative transcripts encoding different isoforms have been identified. Another transcript, which does not encode a protein and is transcribed in the opposite orientation, has been identified. Overexpression of this transcript has been shown to reduce expression of at least one of the protein encoding transcripts, suggesting it has a regulatory role in the expression of this gene. [provided by RefSeq, Aug 2009]

Product images:


Circular map for RG220419