

## Product datasheet for **RC228960**

### CIKS (TRAF3IP2) (NM\_001164281) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CIKS (TRAF3IP2) (NM_001164281) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRAF3IP2
Synonyms:	ACT1; C6orf2; C6orf4; C6orf5; C6orf6; CANDF8; CIKS; PSORS13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC228960 representing NM\_001164281  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCGAAGCATTCTGTGGAGTTGATGAATCAGAACCATACCCAAGTCAGTTGCTGAAACCAATCC  
 CAGAATATTCCTCGGAAGAGGAATCAGAACCACCTGCTCCAAATAAAGGAACATGGCACCAACAGCTT  
 GTCTGCACCCACAATGCTTCACAATTCCTCGGAGACTTTTCTCAAGCTCACTCAACCTGAAACTTGCA  
 AATCACCAGCGCCTGTATCCCGGCAGGTACCTGCCTGCGCACTCAAGTTCTGGAGGACAGTGAAGACA  
 GTTTCTGCAGGAGACACCCAGGCCTGGGCAAAGCTTCCCTTCTGGGTGCTCTGCAGTCAGCGAGCTGC  
 GTCTGAGTCTGTGGTTGGAGCCCTCCCTGCAGAGCATCAGTTTTCATTTATGGAAAAACGTAATCAATGG  
 CTGGTATCTCAGCTTTCAGCGGCTTCTCCTGACACTGGCCATGACTCAGACAAATCAGACCAAAGTTTAC  
 CTAATGCCTCAGCAGACTCCTTGGGCGGTAGCCAGGAGATGGTGAACGGCCCCAGCCTCACAGGAACCG  
 AGCAGGCCTGGATCTGCCAACCATAGACACGGGATATGATTCCCAGCCCCAGGATGCTCTGGGCATCAGG  
 CAGCTGGAAAGGCCCTGCCCTCACCTCGTGTGTACCCCCAGGACCTCCCCAGACCTCTCAGGTCCA  
 GGGAGTCCCTCAGTTTGAACCTCAGAGGTATCCAGCATGTGCACAGATGCTGCCTCCCAATCTTCCCC  
 ACATGCTCCATGGAATCATCATTACATTGTCTGGAAGTCCCGATCACCAGGTGCCATATGGCCATGAC  
 TACCCTCGAGCAGCTACCAGCAAGTATCCAGCCGGCTCTGCCTGGGCAGCCCCGCCTGGAGCCAGTG  
 TGAGAGGCCTGCACCTGTGCAGAAGGTTATCCTGAATTATCCCAGCCCCGGGACCACGAAGAGAGGCC  
 CGCACAGAGACTGCTCCTTCCGGGGCTTCCAAGGCACCAGGACCAGCCACATCACCAGCCACCTAAT  
 AGAGCTGGTGTCTCTGGGAGTCTTGGAGTCCCTGCAGAGCTGAGACCACAGGTTCCCCAGCCTCCGT  
 CCCCAGCTGCTGTGCCTAGACCCCTAGCAACCTCCAGCCAGAGGAACTCTAAAAACAAGCAATTTGCC  
 AGAAGAATTGCGGAAAGCTTTATCACTTATTCGATGGACACAGCTATGGAGGTGGTGAATTCGTGAAC  
 TTTTTGTTGGTAAATGGCTTCCAAACTGCAATTGACATATTTGAGGATAGAATCCGAGGCATTGATATCA  
 TTAATGGATGGAGCGCTACCTTAGGGATACCGTATGATAATCGTAGCAATCAGCCCCAAATACAAACA  
 GGACGTGGAAGGCGCTGAGTCGCAGCTGGACGAGGATGAGCATGGCTTACATACTAAGTACATTCATCGA  
 ATGATGCAGATTGAGTTCATAAAACAAGGAAGCATGAATTTAGATTATCCCTGTGCTCTTCCCAATG  
 CTAAGAAGGAGCATGTGCCACCTGGCTTCAGAACACTCATGTCTACAGCTGGCCCAAGAATAAAAAAAA  
 CATCTGCTGCGGCTGCTGAGAGAGGAAGAGTATGTGGCTCTCCACGGGGCCTCTGCCACCCCTCAG  
 GTGGTCCCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC228960 representing NM\_001164281  
 Red=Cloning site Green=Tags(s)

MNRSIPVEVESEPYPSQLLKPIPEYSPEESEEPPAPNIRNMAPNSLSAPTMLHNSGDFSQAHSTLKL  
 NHQRPVSRQVTLRQTQVLEDESDSFCRRHPGLGKAFPSGCSAVSEPAASESVVVGALPAEHQFSFMEKRNQW  
 LVSQLSAASPDTHGSDKSDQSLPNASADSLGGSQEMVQRPQPHRNAGLDLPTIDTGYDSQPQDVLGIR  
 QLERPLPLTSVCYPQDLPRPLRSREFPQFEPQRYPACAQMLPPNLSPHAPWNYHYHCPGSPDHQVPYGH  
 YPRAAYQVVIQPALPGQPLPGASVRGLHPVQKVIILNYPSPWDHEERPAQRDCSFPGLPRHQDQPHHQP  
 RAGAPGESLECPAELRPQVPPSPAAPVPRPPSNPPARGTLKTSNLPEELRKVFIITYSMDTAMEVVKFVN  
 FLLVNGFQTAIDIFEDRIRGIDIKWMERYLRDVTMIIIVAI SPKYQDVEGAESQLDEDEHGLHTKYIHR  
 MMQIEFIKQGS MNFRFIPVLPNAKKEHVPTWLQNTHVYSWPKNKNILLRLLREEEYVAPPRGPLPTLQ  
 VVPL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

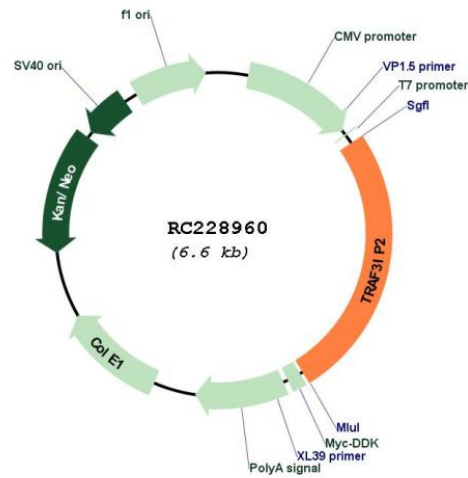
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001164281  
 ORF Size: 1692 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164281.2</a> , <a href="#">NP_001157753.1</a>
<b>RefSeq Size:</b>	6241 bp
<b>RefSeq ORF:</b>	1695 bp
<b>Locus ID:</b>	10758
<b>UniProt ID:</b>	<a href="#">O43734</a>
<b>Cytogenetics:</b>	6q21
<b>MW:</b>	63.5 kDa
<b>Gene Summary:</b>	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]