

Product datasheet for **RC238996**

c Rel (REL) (NM_001291746) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	c Rel (REL) (NM_001291746) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	c Rel
Synonyms:	C-Rel; HIVEN86A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238996 representing NM_001291746
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCTCCGGTGCATTAACCCGTATATAGAGATAATTGAACAACCCAGGCAGAGGGGAATGCGTTTTA
 GATACAAATGTGAAGGGGATCAGCAGGCAGCATTCCAGGGGAGCACAGCACAGACAACAACCGAACATA
 CCCTTCTATCCAGATTATGAACTATTATGAAAAAGAAAAAGTGAATAACATTAGTAACAAGAATGAC
 CCATATAAACCTCATCCTCATGATTTAGTTGAAAAAGACTGCAGAGACGGCTACTATGAAGCAGAATTTG
 GACAAGAACGCAGACCTTTGTTTTCCAAAATTTGGGTATTCGATGTGTGAAGAAAAAGAAGTAAAGA
 AGCTATTATTACAAGAATAAAGGCAGGAATCAATCCATTCAATGTCCCTGAAAAACAGCTGAATGATATT
 GAAGATTGTGACCTCAATGTGGTGAAGTGTGTTTTCAAGTTTTCTCCCTGATGAACATGGTAATTTGA
 CGACTGCTTTCCTCCTGTTGTCTGAACCAATTTATGACAACCGTGTCCAAACTGCAGAATTAAG
 GATTTGTCGTGTAACAAGAATTGTGGAAGTGTGAGAGGAGATGAAATATTTCTACTTTGTGACAAA
 GTTCAGAAAGATGACATAGAAGTTCGTTTTGTGTTGAACGATTGGGAAGCAAAAGGCATCTTTTCACAAG
 CTGATGTACACCGTCAAGTAGCCATTGTTTTCAAACTCCACCATTGCAAAGCTATCAGAAACCCGT
 AACAGTAAAAATGCAGTTGCGGAGACCTTCTGACCAGGAAGTTAGTGAATCTATGGATTTAGATATCTG
 CCAGATGAAAAAGATACTTACGGCAATAAGCAAAAGAAAACAAAGACAACCTCTGCTTTCCAGAACTGT
 GCCAGGATCACGTTAATTTCTGAGAGACCAAGACCTGGTCTCCTCGTTCAATTGGAGAAGGAAGATA
 CTTCAAAAAGAACCAACTTGTCTCATGATGCAGTTGTGAGAGAAATGCCTACAGGGGTTTCAAGT
 CAAGCAGAACTCTACTATCCCTCACCTGGGCCATCTCAAGTGGATTGTACATCATGCCCAATGCAC
 CTCTGCCTTCTCAAGCTGGTCACTGAGTGGCCACCCACCCACGCTCAGGCAATACAAAACCCACTGAG
 TAGTTTTTCAACAAGGACACTTCTTCTAATTCGCAAGGTATCCACCATTCTGAGAATACCTGTTGGG
 AATGATTTAAATGCTTCTAATGCTTGCATTTACAACAATGCCGATGACATAGTCGGAATGGAAGCGTCAT
 CCATGCCATCAGCAGATTATATGGTATTTCTGATCCCAACATGCTGTCTAATTGTTCTGTGAATATGAT
 GACAACCAGCAGTGACAGCATGGGAGAGACTGATAATCCAAGACTTCTGAGCATGAATCTTGAAAACCC
 TCATGTAATTCAGTGTTAGACCAAGAGACTTGAGACAGCTCCATCAGATGTCCTCTTCCAGTATGCAG
 CAGGCGCAATCCAATACTACTGTTTTGTTTCAACAATCAGATGCATTTGAGGGATCTGACTTCAGTTG
 TGCAGATAACAGCATGATAAATGAGTCGGGACCATCAAACAGTACTAATCCAACAGTATGTTTTGTT
 CAAGATAGTCAGTATTCAGGTATTGGCAGTATGCAAAATGAGCAATTGAGTGACTCTTTCCATATGAAT
 TTTTCAAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238996 representing NM_001291746
 Red=Cloning site Green=Tags(s)

MASGAYNPYIEIIEQPRQRGMFRYKCEGRSAGSIPGEHSTDNNRTPYSIQIMNYYGKGVKVRITLVTKND
 PYKPHPHDLVGKDCRDGYEAEFGQERRPLFFQNLGIRCVKKEVKEAIIIRIKAGINPFNVPEKQLNDI
 EDCDLNVVRLCFQVFLPDEHGNLTALPPVSNPIYDNRAPNTAELRICRVNKNCGSVRGDEIFLLCDK
 VQKDDIEVRFVLDWEAKGIFSQADVHRQVAIVFKTPPYCKAITEPVTVKMQLRRPSDQEVSESMDFRYL
 PDEKDTYGNKAKKQKTTLLFQKLCQDHVNFPERPRPGLLSIGEGRYFKKEPNLFSHDVAVREMPGVSS
 QAESYYPSPGPISSGLSHHASMPLPSSWSSVAHPTPRSGNTNPLSSFSTRTLPSNSQGIPIFLRIPVG
 NDLNASNACIYNNADDIVGMEASSMPSADLYGISDPNMLSNCSVNMMTSSDSMGETDNPRLLSMNLNENP
 SCNSVLDPRDLRQLHQMSSSMSAGANSNTTFVVSQSDAFEGSDFSCADNSMINESSGPSNSTNPNSHGFI
 QDSQYSIGISMQNEQLSDSFPYEFFQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001291746

ORF Size: 1761 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

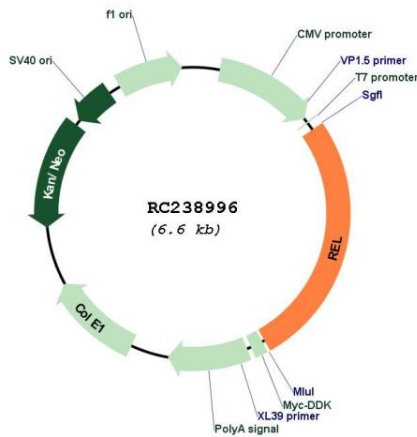
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001291746.2](#)

RefSeq Size: 7746 bp
 RefSeq ORF: 1764 bp
 Locus ID: 5966
 UniProt ID: [Q04864](#)
 Cytogenetics: 2p16.1
 Protein Families: Druggable Genome, Transcription Factors
 MW: 65.7 kDa

Gene Summary: This gene encodes a protein that belongs to the Rel homology domain/immunoglobulin-like fold, plexin, transcription factor (RHD/IPT) family. Members of this family regulate genes involved in apoptosis, inflammation, the immune response, and oncogenic processes. This proto-oncogene plays a role in the survival and proliferation of B lymphocytes. Mutation or amplification of this gene is associated with B-cell lymphomas, including Hodgkin's lymphoma. Single nucleotide polymorphisms in this gene are associated with susceptibility to ulcerative colitis and rheumatoid arthritis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RC238996