

Product datasheet for **RG238996**

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:	TurboGFP
Symbol:	c Rel
Synonyms:	C-Rel; HIVEN86A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238996 representing NM_001291746.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCTCCGGTGCATATAACCCGTATATAGAGATAATTGAACAACCCAGGCAGAGGGGAATGCGTTTT
AGATACAAATGTGAAGGCGCATCAGCAGGCAGCATTCCAGGGGAGCACAGCACAGACAACAACCGAACA
TACCTTCTATCCAGATTATGAACTATTATGAAAAGGAAAAGTGAGAATTACATTAGTAACAAAGAAT
GACCCATATAAACCTCATCTCATGATTTAGTTGAAAAGACTGCAGAGACGGCTACTATGAAGCAGAA
TTTGGACAAGAACGCAGACCTTTGTTTTCCAAAATTTGGGTATTCGATGTGTGAAGAAAAAGAAGTA
AAAGAAGCTATTATTACAAGAATAAGGCAGGAATCAATCCATTCAATGTCCCTGAAAAACAGCTGAAT
GATATTGAAGATTGTGACCTCAATGTGGTGAAGTGTGTTTTCAAGTTTTCTCCCTGATGAACATGGT
AATTTGACGACTGCTCTCCTCTGTTGTCTCGAACCAATTTATGACAACCGTCTCAAATACTGCA
GAATTAAGGATTGTGCGTAAACAAGAATTGTGGAAGTGTGAGGAGGAGATGAAATATTTCTACTT
TGTGACAAAGTTCAGAAAGATGACATAGAAGTTCTGTTTTGTGTTGAACGATTGGGAAGCAAAAGGCATC
TTTTACAAGCTGATGTACACCGTCAAGTAGCCATTGTTTTCAAACCTCCACCATATTGCAAAGCTATC
ACAGAACCCGTAACAGTAAAAATGCAGTTGCGGAGACCTCTGACCAGGAAGTTAGTGAATCTATGGAT
TTTAGATATCTGCCAGATGAAAAAGATACTTACGGCAATAAAGCAAAGAAAACAAAAGACAACCTGCTT
TTCCAGAAACTGTGCCAGGATCACGTTAATTTTCTGAGAGACCAAGACCTGGTCTCCTCGTTCAATT
GGAGAAGGAAGATACTTCAAAAAAGAACCAAACTGTTTTCTCATGATGCAGTTGTGAGAGAAATGCCT
ACAGGGGTTTCAAGTCAAGCAGAATCCTACTATCCCTCACCTGGGCCATCTCAAGTGGATTGTCACAT
CATGCCTCAATGGCACCTCTGCCTTCTCAAGCTGGTCACTAGTGGCCACCCACCCACCGCTCAGGC
AATACAAAACCCACTGAGTAGTTTTTCAACAAGGACACTTCTTCTAATTCGAAGGTATCCCACTTC
CTGAGAATACCTGTTGGGAATGATTTAAATGCTTCTAATGCTTGCAATTTACAACAATGCCGATGACATA
GTCGGAATGGAAGCGTATCCATGCCATCAGCAGATTTATATGGTATTTCTGATCCAACATGCTGTCT
AATTGTTCTGTGAATATGATGACAACAGCAGTGCAGCATGGGAGAGACTGATAATCCAAGACTTCTG
AGCATGAATCTTGAACCCCTCATGTAATTCAGTGTAGACCAAGAGACTTGAGACAGCTCCATCAG
ATGTCCTCTTCCAGTATGTCAGCAGGCGCAATCCAATACTACTGTTTTGTTTACAATCAGATGCA
TTTGAGGGATCTGACTTCAAGTGTGAGATAACAGCATGATAAATGAGTCGGGACCATCAAACGACT
AATCCAAACAGTCATGGTTTTGTTCAAGATAGTCAGTATTGAGTATTGGCAGTATGCAAAATGAGCAA
TTGAGTGACTCCTTTCCATATGAATTTTTTCAAGTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238996
 Blue=ORF Red=Cloning site Green=Tag(s)

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MASGAYNPYIEIEQPRQRGMRFRYKCEGRSAGSIPGEHSTDNNRTYPSIQIMNYYGKGVIRITLVTKN
DPYKPHPHDLVGKDCRDGYEAEFGQERRPLFFQNLGIRCVKKKEVKEAIIIRIKAGINPFVPEKQLN
DIEDCDLNVVRLCFQVFLPDEHGNTLALPPVSNPIYDNRAPNTAELRICRVNKNCGSVRGGDEIFLL
CDKVQKDDIEVRFVLNDWEAKGIFSQADVHRQVAIVFKTPPYCKAITEPVTVKMQLRRPSDQEVSESM
FRYLPDEKDTYGNKAKKQKTTLLFQKLCQDHVNFPERPRPGLLSIGEGRYFKKEPNLFSHDAVVREMP
TGVSQAESYYPSPGPISGLSHHASMPLPSSWSSVAHPTPRSGNTNPLSSFSTRTLPSNSQGIPPF
LRIPVGNLNASNACIYNNADDIVGMEASSMPSADLYGISDPNMLSNCNVNMTTSSDSMGETDNPRL
SMNLENPSCNSVLDPRDLRQLHQMSSSMSAGANSNTTTFVSQSDAFEGSDFSCADNSMINESGPSNST
NPNSHGTVQDSQYSGIGSMQNEQLSDSFPYEFFQV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAVHHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites:

SgfI-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).

RefSeq: [NM_001291746.2](#)

RefSeq Size: 7746 bp

RefSeq ORF: 1764 bp

Locus ID: 5966

UniProt ID: [Q04864](#)

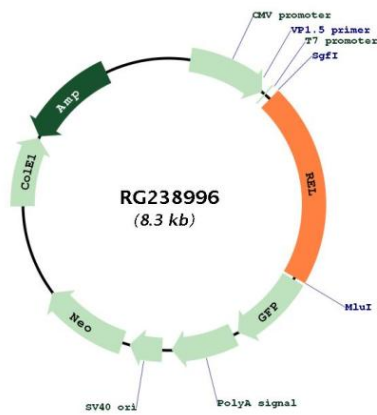
Cytogenetics: 2p16.1

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 RG238996