

Product datasheet for **RR202496**

Rela (NM_199267) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rela (NM_199267) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rela
Synonyms:	NFkB; nos2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR202496 representing NM_199267
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGATCTGTTTCCCTCATCTTCCCTCAGAGCCAGCCAGGCTTCTGGGCCATATGTGGAGATCA
 TTGAGCAGCCCAAGCAGCGGGGCATGCGTTTCCGTTACAAGTGCAGGGCCGCTCTGCAGGCAGTATTCC
 TGGGGAGAGAAGCACAGATAACCTAAGACGCACCCACCATCAAGATCAATGGCTACACGGGACCAGGA
 ACAGTTCGAATCTCCCTGGTCACCAAAGACCCACCTCACCGCCTCATCCACATGAACCTGTGGGAAGG
 ACTGCCGGGATGGCTTCTATGAGGCTGAACTCTGCCAGACCGATGCATCCACAGCTTCCAGAACCTGGG
 GATCCAGTGTGTGAAGAAGCAGACCTGGAGCAAGCCATTAGCCAGCGCATCCAGACCAACAATAACCCC
 TTTCAAGTCCCATAGAGGAGCAGCGCGGGGACTATGACTTGAATGCGGTCCGCCTCTGCTCCAGGTGA
 CAGTGCGGGACCCATCAGGCAGGCCCTCCGCCTGACCCCTGTCTCTCGCATCCGATTTTTGATAACCG
 TGCCCCAACACTGCCGAGCTCAAGATCTGCCGAGTAAACCGAACTCTGGGAGCTGCCTTGGTGGGGAT
 GAGATCTTCTGTGTGTGACAAAGTGCAGAAAGAAGACATTGAGGTGTATTTACAGGGGACTGGCTGGG
 AGGCACGAGGCTCCTTTCTCAAGCCGATGTGCACCGCAAGTGCCATTGTGTTCCGAACCTCCCCATA
 CGCTGACCCTAGCCTGCAGGCTCCTGTGCGAGTGTCCATGCAGCTTCGGCGGCCTTCTGATCGGGAGCTC
 AGTGAGCCCATGGAGTTCAGTACTTGCAGACACAGACGATCGCCACCGGATTGAAGAAAAACGCAAAA
 GGACCTACGAGACCTCAAGAGCATCATGAAGAAGAGTCTTTCAATGGACCAACTGAACCCCGCCTCC
 ACCCCGACGATTTGCTGTGCCTCCCGAGGCCAACTTCTGTCCCAAGCCAGCACCCAGCCCTATGCC
 TTTTCAACATCCCTCAGCACCATCAACTTTGATGAGTTTTCCCCATGGTGTACCACCTGGCAGATCT
 CAAACAGGCCTTGGCCCTGGCACCATCCTCTGCCCAGTCTTGGCCAGACCATGGTCCCCTCCAGC
 CATGGTACCAAGTCTGGCTCAGCCCCAGCTCCTGTCCAGTTCTAGCCCCAGGTCTCCCAATCCCTG
 TCTGCACCTGTTCCAAGAGCACCCAGGCAGGGGAAGGCACCCTGTCTGAAGCCCTGCTACACCTGCAGT
 TCGATGCTGATGAAGACTTGGGGCCTTGTGGCAACAACACAGACCCAGGAGTGTTCACAGACCTGGC
 ATCTGTGACAACCTCAGAGTTTACGAGCTTCTGAACCAGGGTGTGGCCATGTCCACTCCACAGCTGAG
 CCCATGCTGATGGAGTACCCTGAAGCTATAACTCGCCTGGTGACAGGATCCAGAGGCCCCCTGATCCAG
 CTCCTGCAACCTGGGGACTCAGGGCTCCCAATGGCCTCTCAGGGGATGAAGACTTCTCTCCATTGC
 GGACATGGACTTCTCAGCTCTTCTGAGTCAGATCAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202496 representing NM_199267
 Red=Cloning site Green=Tags(s)

MDDLFPILFPSEPAQASGPYVEIIEQPKQRGMRFRYKCEGRSAGSIPGERSTDTTKHTPTIKINGYTGPG
 TVRISLVTKDPPHRPHPELVGKDCRDGFYEALCPDRCIHSFQNLGIQCVKKRDLEQAIQSRIQTNNNP
 FQVPIEEQRGDYDLNAVRLCFQVTVRDPSSGRPLRLTPVLSHPIFDNRAPNTAELKICRVNRNSGSLGGD
 EIFLLCDKVQKEDIEVYFTGPGWEARFSQADVHRQVAIVFRTPPYADPSLQAPVRVSMQLRRPSDREL
 SEPMEFQYLPDTPDRHRIIEKRRKTYETFKSIMKSPFNPTPEPRPPRIAVPSRGPTSVPKPAPQPYA
 FSTSLSTINFDEFSPMVLPPQISNQALALAPSSAPVLAQTMVPSSAMVPSLAQPPAPVPVLAAGPPQSL
 SAPVPKSTQAGEGTLSEALLHLQFDAQEDL GALLGNNTDPGVFTDLASVDNSEFQQLLNQGVAMSHSTAE
 PMLMEYPEAITRLVTGSQRPPDPAPATLGTSGLPNLSGDEDFSSIADMDFSALLSQISS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

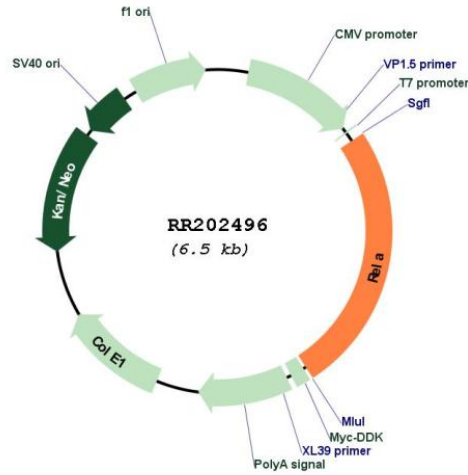
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_199267
ORF Size:	1650 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:	<ol style="list-style-type: none">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_199267.2 , NP_954888.1
RefSeq Size:	2472 bp
RefSeq ORF:	1653 bp
Locus ID:	309165
Cytogenetics:	1q43
MW:	60.3 kDa
Gene Summary:	component of the NF-kappa B complex; involved in transcriptional activation [RGD, Feb 2006]