

Product datasheet for **RR204858**

Nfkb2 (NM_001008349) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfkb2 (NM_001008349) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfkb2
Synonyms:	RGD1307189
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204858 representing NM_001008349
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCGTTGCTACGATCCAGTGGATGGCATCCCTGAATATGATGATTTTGAATTCAGCCCCCTCCA
 TTGTGGAGCCCAAGGATCCAGCCCCAGAGACAGCTGATGGCCCTATCTGGTGATTGTGGAACAGCCTAA
 ACAGCGAGGCTTCAGATTTTCGATATGGCTGTGAAGGCCCTCCCATGGAGGTCTGCCAGGTGCCTCCAGT
 GAGAAGGGCCGGAAGACCTATCCTACTGTCAAGATCTGTAACACGAGGGGCCGGAAGATTGAGGTGG
 ACCTGGTGACACACAGTGACCCACCCCGTGACATGCCACAGTCTGGTGGCAAGCAGTCTCTGAGCT
 GGGGGTGTGTGCCGTGTCTGTGGACCCAAGGACATGACTGCTCAATTTAATAATCTGGGTGTCTGCAT
 GTAACCAAGAAGAACATGATGGAGATTATGATTCAGAACTCCAGAGGCAGCGGCTCCGCTCCAAGCCTC
 AGGGCCTTACAGAGGCCGAGCGCCGGGAGCTGGAGCAGGAGGCCAAGGAGCTGAAGAAAGTCATGGATTT
 GAGCATTGTACGGCTACGCTTCTCAGCTTTCCTTCGAGCTAGTGTGGCTCCTTCTCCCTGCCCTGAAG
 CCTGTGATCTCCAGCCATCCACGACAGCAAGTCTCCAGGGCCCTCAAACCTGAAGATTTCCCGAATGG
 AAAAAACAGCAGGTTCCGTGCGCGGTGGAGACGAAGTTTATTTGCTTTGCATAAGGTGCAGAAAGATGA
 CATTGAGGTTTCGTTTCTATGAGGATGACGAGAACGGATGGCAAGCCTTTGGGGACTTCTCTCCACAGAC
 GTTCATAAACAGTATGCCATTGTGTTCCGGACACCGCCCTATCACAAGATGAAGATTGAGAGGCCTGTAA
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 TCTGGTGAAGACAAGGAGGAAGTACAGAGGAAGCGGAGAAAGGCCTGCCTACCTTCTCCAGCCCTTC
 GGGGGCGGATCCACATGGTGGAGTTCTGGGGCTCCGCTGGGGTTATGGAGGCGCTGGAGGAGGTG
 CAGCTCGGCTTTTTCTCCTCCTTCGCTACAGCCCTACCAATCCGGTGCAGCCCAATGGGCTGCTT
 CCCGGTGGGGAGGTGGAGCGCAGATGGCCGGCTCTGGACGGGACGCGGAGGCTGGCGAGGCAGAGGAG
 CAGCCCAGAGCACCTCCGAGGCCCCAGAGCGAGCAGCAGGCCCTGGACACGCTGCAGCGAGCTCGCG
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 GGACGCGCGTGTCTGCTAGCGGACAGCGCCACCTGCTGATGGCACAGGACGAGAACGGAGACACGCCG
 CTGCACCTGGCCATTATCCATGGGCAGACTGGTGTCTTTCAGCAGATAGCCCAAGTATTATCATGCTC
 AGTACCTTGGGGTTCATCAACCTACCAATCACCTGCACCAGACACCTCTGCACCTGGCAGTAATCACTGG
 GCAGACACGGGTGGTGGCTTCTGCTGCAGGTGGTGCAGACCCACACTGCTGGATCGCCATGGTGAC
 TCAGCTGTCCACTGGCTCTCCGGCAGGTGCTGCAGCCCAGACCTGCTGCAGGCAAGTGTGCACAGTG
 GAGCCCACGCTCTGCCCAAATGTTACACATGCCTGATTTTGGAGGACTATACCCAGTACACCTGGCGGT
 CCATGCCCGAAGCCCTGAGTGCCTGGATCTGTTAGTTGACTGTGGAGCTGAAGTGGAGGCAGCAGAGAGG
 CAAGGAGGCCGAACCCCACTGCATCTAGCCACAGAGATGGAGGAGCTGGGGTTGGTACCCATCTGGTCA
 CCAAGCTCCATGCTAATGTGAATGCCCGGACCTTTGCTGGAAACACCCCTCCACCTGGCGGCTGGACT
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 GATGCAGCCCTGCAGAACCTGGAGCAACTGCTAGATGGGCCAGAAGCCAGGGCAGCTGGCAGAGCTGG
 CAGAGAGACTGGGGCTGAGGAGCCTGGTGGACACATACAGGAAGACCCCTCCCCAGTGGCAGTCTCCT
 TCGTAGTTACAAGCTGGCTGGTGGAGACTTGGTGGTCTATTGGAAGCCTTGCCGACATGGGTCTTCAT
 GAGGGAGTTAGGCTGCTGAAGGCGCTGAGACCCGAGACAAGCTGCCAGCACAGAGGTGAAGAAGACA
 GTGCCTACGGGAGCCAGTCAGTGGAGCAGGAGGCAGAGAAGCTGTGTCCACCCCTGAGCCTCCAGGAGG
 GCTCTGCCACGGGACCCCCAGCCTCAGGTGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204858 representing NM_001008349
 Red=Cloning site Green=Tags(s)

MDRCYDPLDGIPEYDDFEFSPSIVEPKDPAPETADGPYLVIVEQPKQRGFRFRYGCSPSHGGLPGASS
 EKGRKTYPTVKICNYEGPAKIEVDLVTHSDPPRAHAHSLVGKQCSSELGVCASVSGPKDMTAQFNNLGVLH
 VTKKNMMEIMIQLQRQLRQRLRQGLTEAERRELEQEAKELKKVMDLSIVRLRFSAFLRASDGSFSLPLK
 PVISQPIHDSKSPGASNLKISRMDKTAGSVRGDEVYLLCDKVQKDDIEVRFYEDDENGWQAFGDFSPDT
 VHKQYAIVFRTPPYHKMKIERPVTVFLQLKRKRGGDVSDSKQFTYYPLVEDKEEVQRKRRKALPTFSQPF
 GGGSHMGGGSGGAGGYGGAGGGSLGFFSSFAYSPYQSGAAMPGCFPGGGGAQMAGSGRDAEAGEAAE
 QPRAPSEAPQSEQQALDTLQRAREYNARLFGLAQR SARALLDYGVTADARALLAGQRHLLMAQDENGDP
 LHLAIHGHQTVIEQIAQVIYHAQYLVINLTNHLHQTPHLAVITGQTRVVSFLLQVGDPTLLDRHGD
 SAVHLALRAGAAAPDLLQAVLHSGAHALPQMLHMPDFEGLYPVHLAVHARSPECLDLLVDCGAEVEAAER
 QGGRTPLHLATEMEELGLVTHLVTKLHANVNARTFAGNTPLHLAAGLGSPTLTRLLKAGADIHAENEPP
 LCPLPSPPTSGSDSDSEGPETDTQRNFRGHTPLDLTRSTKVKTLNNAQNTTEPPLAPPSPAGPLSLG
 DAALQNLQQLLDGPEAQSWAELAERLGLRSLVDTYRKTSPSGSLLRSYKLAGGDLVGLLEALSDMGLH
 EGVRLKAPETRDKLPSTEVKEDSAYGSQSVEQEAELCPPPEPPGGLCHGHPQPQVH

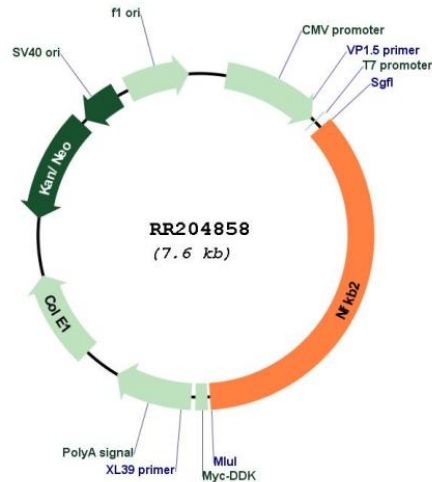
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001008349

ORF Size: 2694 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_001008349.1](#), [NP_001008350.1](#)

RefSeq Size: 3098 bp

RefSeq ORF: 2697 bp

Locus ID: 309452

Cytogenetics: 1q54

MW: 96.7 kDa