

Product datasheet for **RR209661**

Nfyb (NM_031553) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfyb (NM_031553) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nfyb
Synonyms: CBF-B; CBFb; Nfyb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209661 representing NM_031553
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAATGGATGGCGACAGCTCTACAACAGATGCTTCTCAACTAGGGATTTCTGCAGACTACATCGGAG
 GAAGTCATTATGTGATCCAGCCCACGATGATACTGAGGACAGCATGAATGATCATGAAGATACAAATGG
 TTCAAAGAAAGTTTCAGAGAACAAGATATTTATCTTCCATTGCAAATGTGGCTAGGATAATGAAAAAT
 GCCATACCTCAAACAGGAAAGATTGCAAAGGATGCCAAAGAATGCGTTCAGGAGTGTGTGAGTGAGTTTA
 TAAGCTTCATAACATCTGAAGCAAGTGAGCGCTGTCAACAGGAGAAGCGGAAGACCATCAACGGGGAGGA
 CATTCTGTTCCGCATGTCCACTCTCGGCTTCGACAGCTACGTGGAGCCTCTGAAACTGTACCTCCAGAAG
 TTCAGAGAGGCCATGAAGGGAGAGAAGGGCATTGGTGGGGCCGTGTCTGCTACAGATGGACTCAGCGAGG
 AGCTCACGGAAGAGGCATTCACTAACAGTTACCGGCTGGGTTAATAACTGCAGATGGCCAAACAACAAA
 CGTTATGGTTTACACGACGTCCTATCAACAGATTTCTGGTGTCCAGCAGATTCAGTTTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209661 representing NM_031553
 Red=Cloning site Green=Tags(s)

MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTEDSMNDHEDTNGSKESFREQDIYLPINVARIMKN
 AIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKTINGEDILFAMSTLGFDSYVEPLKLYLQK
 FREAMKGEKGIGGAVSATDGLSEELTEEAFTNQLPAGLITADGGQQNVMVYTTTSYQQISGVQQIQFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

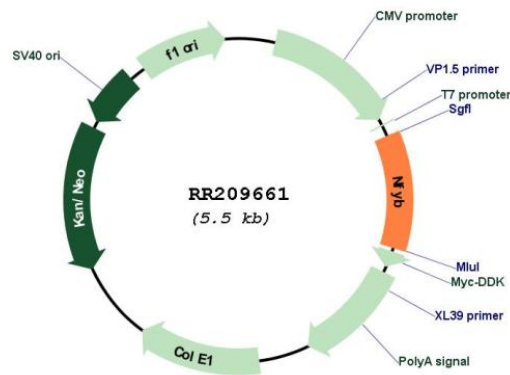


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Cloning Scheme:



Plasmid Map:



ACCN: NM_031553

ORF Size: 621 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_031553.2](#), [NP_113741.1](#)

RefSeq Size: 2569 bp

RefSeq ORF: 624 bp

Locus ID: 25336

UniProt ID: [P63140](#)

Cytogenetics: 7q13

MW: 22.8 kDa

Gene Summary: a component of the heteromeric mammalian transcription factor which binds to sequences containing a CCAAT motif [RGD, Feb 2006]