

Product datasheet for **RR206227**

Rflnb (NM_001007611) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rflnb (NM_001007611) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rflnb
Synonyms:	Fam101b; RGD1359691
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206227 representing NM_001007611 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGGCCGACTGAGCCTGCAGGATGTCCCCGAGCTCGTGGACACGAAGAAAAAGGAGACGGCGTCC
TGGACAGCCCGGACTCGGGGCTGCCCCAAGCCCTAGCCCCAGCCACTGGGGGCTCGCAGCGGCGACGGG
CGGCGGTGGGAGCGCGCTCCGGTCGCAGGGACGCTGGAGCCCGATGCGACGGTCACCTCCGTAGTCCCG
AAGGAGTCGAGTTTGACCCCTTACCACCAAGGAAATAAAGTATACCTCCTCAGTCAAGTACGACTCTGA
GCGGCATTTTCATCGATGATGTGCAGATGCCCTGGGCCTGGTGGTGGCTTCTGCAGCCAGACAGTACCC
TGTATCCCCAATTGCACTTGCGGAACTATAAGGCTGAAGTGCCTTCGAGCCTCGCCACAAGCCTGCGC
GCTTCTCAGACCAACCATCATCTACCCCAAGTACCCGAAGACCGTCTACACCACCACTCTGGATTACAA
CTGCCACAAGAACTGAGGAGGTTTCTATCCAGTGTGGAGCTGGAGGCCACGGAGTTCCTAGGTAGCGAT
GGGCTGTTGGATGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206227 representing NM_001007611
 Red=Cloning site Green=Tags(s)

MVGRSLSLQDVPELVDTKKKGDGVLDSPLSPSPSPSHWGLAAATGGGGERAPVAGTLEPDATVTSVVP
 NPASLSHSLAGICSPRLCPLSFGEGVEFDPLPPKEIKYTSSVKYDSEHFIDDVQMPLGLVVASCSQTVT
 CIPNCTWRNYKAEVRFEPHHPARFLSTTIIYPKPKTVYTTTLDYNCHKLRRLSSVELEATEFLGSD
 GLLDEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001007611

ORF Size: 648 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_001007611.1](#), [NP_001007612.1](#)

RefSeq Size: 1384 bp

RefSeq ORF: 651 bp

Locus ID: 287534

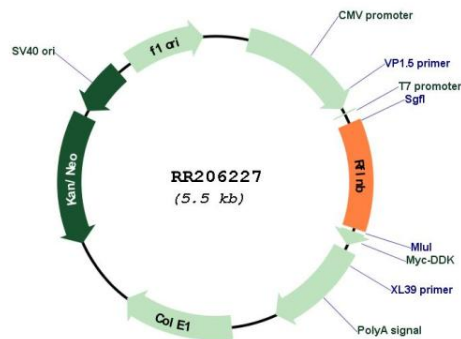
UniProt ID: [Q6AXS9](#)

Cytogenetics: 10q24

MW: 23.5 kDa

Gene Summary: Involved in the regulation of the perinuclear actin network and nuclear shape through interaction with filamins. Plays an essential role in the formation of cartilaginous skeletal elements.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR206227