

Product datasheet for **RC225991**

RNF19B (NM_001127361) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RNF19B
Synonyms:	IBRDC3; NKLAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225991 representing NM_001127361
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCTCCGAGAAGGACTCCGAGTCGCCGCTCCACATCGCTACATGCGCCGCACCCGACCCCTAAGT
 GCCGCAGCGCGCGCCGCGCGCCGCGCTCACCTTGACAGCGTCTTCTCTGCTCGGCCGCGCGCCGCG
 CGCCCGGGCCAAGCCGAGGCCGAGCCGCCGCCCGGCTGCGCAGCCGCCGCCGCCCGGCCCTGCC
 GCGGCCAGGGCCCGCGCCGAGGCGCTGCCGCCGAGCCGCCGCGCGAGGCCGAGGCCGAGGCCGCGG
 CGCGCGCGCGGAGCCTGGGTTTCGACGATGAGGAGCGCGGAGGGCGGTGGCCCGGCCGCGGAGGAGT
 GGAGTGTCCGCTGTGCTGGTGGCTGCCGCTGAGCGGGGCCCGCGCTCCTCAGCTGTCCGACCCGC
 TCGTGCCGGGACTGCCTCCGCACTACCTGCCCTGGAGATAAGCGAGAGCAGGGTGCCCATCAGCTGCC
 CCGAGTGCAGCGAGCGACTCAACCCGACGACATCCGCTTGTGCTCGCCGACCCGCCGCTTATGCACAA
 GTACGAGGAGTTCATGCTGCGCCGCTACCTAGCCTCGGACCCGACTGCCGCTGGTGGCCGCCCGGAC
 TGCGGTTATGCTGTTATTGCCTATGGCTGTGCCAGTCCCCGAAGCTAATTGTGAGAGGGAAGGTTGCC
 AGACTGAGTTCTGTACCACTGCAAGCAGATATGGCATCCAAATCAGACATGCGATATGGCCCGTCAACA
 GAGGGCCAGACTTTACGAGTTCGGACCAACACATTCAGGTCTCAGTTATGGGAAGAATCTGGACCA
 GATGACATCAAGCCATGCCACGATGCAGTGCATACATTATCAAGATGAATGATGGAAGCTGAATCACA
 TGACCTGTGCAGTGTGGCTGTGAATTCGTTGGCTTTGTATGAAAGAGATCTCAGACTTGCATTACCT
 CAGCCCTCTGGCTGTACATTCTGGGCAAGAAGCCATGGAGCCGTAAGAAGAAAATCTTTGGCAGCTG
 GGCACGTTGATTGGTGTCCAGTGGGATTTCTCTCATTGCTGGCATTGCCATTCTGCCATGGTCATTG
 GCATTCTGTTATGTTGGAAGGAAGATTCACAGCAGGTATGAGGAAGGAAAACCTCCAACACAAGAG
 GAATTTGGCTATCACTGGAGGAGTGACTTTGTCTGGTATTGCATCCCGATTATTGCTGCAGTTAGTGTT
 GGTATTGGTGTCCCATATTATGCTGGCATATGTTTATGGGGTGTGCCCATTTCTCTTGTCTGGAGGCG
 GCTGTGGAGTTAGCACAGCCAAAGGAGTGAATTTGAATTTGATGAAGATGATGGTCCAATCAC
 AGTGGCAGATGCTGGAGGCCCTCAAGATCCAGCATTGGGGAAGCAGCATTGAAGGCTGACTAGT
 GTATTGAGCACTAGTGAAGCCCTACAGATGGACTTAGTGTTATGCAAGGTCTTACAGCGAAACGCCCA
 GCTTTGCAGCCCTCTCAGGGGCGACGCTGAGTGGCGGCTTCTCTCAGTGGCAAGGAAAATATAGCAG
 GTTAGAAGTTCAAGCCGATGTCCAAAGGAAATTTCCCAAGACACAGCCAGTCTTGGTGAATTAGT
 GACAACGCAAGCACTCGTCTATGGCCGTTCCATAATCAGTTCCTACAACCCACAGGACAGGTTTAGCA
 TGATCCATGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225991 representing NM_001127361
 Red=Cloning site Green=Tags(s)

MGSEKDSSEPRSTSLHAAAPDPKCRSGRRRLTLHSVFSASARGRRARAKPQAEPPPPAAQPPAPAPA
 AAQGGPPEALPAEPAAEAEAEAAAAAEPGFDEEAAEGGGPAEEVECPCLVRLPPERAPRLLSCPHR
 SCRDCLRHYLRLEISERSVPIISCEPESERLNPHDIRLLADPPLMHKYEEMLRRLASDPDCRWCPAPD
 CGYAVIAYGCASCPKLTCEREGCQTEFCYHCKQIWHPNQTCDMARQQAQTLRVRTKHTSGLSYGQESGP
 DDIKPCPRCSAYIIKMNDGSCNHMTCAVCGCEFCWLCMKEISDLHYLSPSGCTFWGKKPWSRKKILWQL
 GTLIGAPVGISLIAGIAIPAMVIGIPVYVGRKIHSRYEGRKTSKHKRNLAITGGVTLVIAISPVIAAVSV
 GIGVPIMLAYVYGVVPISLCRGGGCVSTANGKGVKIEFDEDDGPITVADAWRALKNPSIGESSIEGLTS
 VLSTSGSPTDGLSYMQGPYSETASFAALSGGTLSSGILSSGKGKYSRLVQADVQKEIFPKDTASLGAIS
 DNASTRAMAGSIISSYNPQDRFSMIHA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8068_ell.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001127361

ORF Size: 1761 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.

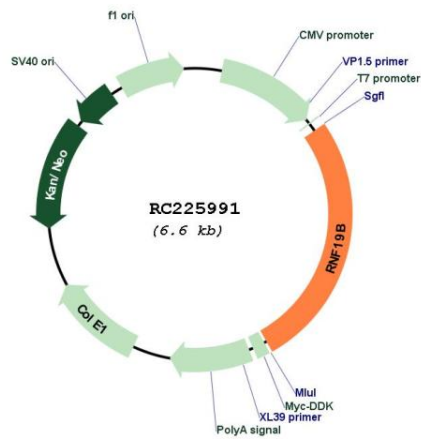
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001127361.3](#)

RefSeq ORF:	1764 bp
Locus ID:	127544
UniProt ID:	Q6ZMZ0
Cytogenetics:	1p35.1
Protein Families:	Druggable Genome, Transmembrane
MW:	62.5 kDa

Gene Summary: This gene encodes a multi-pass membrane protein containing two RING-type and one IBR-type zinc finger motifs. The encoded protein is an E3 ubiquitin-protein ligase that plays a role in the cytotoxic effects of natural killer (NK) cells. Alternative splicing results in multiple transcript variants. There are pseudogenes for this gene on chromosomes X and Y in a possible pseudoautosomal region. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RC225991