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Product datasheet for RC223020

RNF19B (NM_153341) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF19B (NM_153341) Human Tagged ORF Clone
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:

>RC223020 representing NM_153341
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTTATAATCACTTCGTCGTTGCCGCTCGGCTTCTATCGCCGGGAGGGCGGTTGNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNGCNGCCGCCCGCCCCGGCCCCTGCCGCGGCCCAGGGNCNGCCGCCCGAGGC
GCTGCCCGCCGAGCCGGCCGCCGAGGCNGAGGCGGAGGCCGCGGCGGCGGCGGCGGAGCCTGGGTTCGAC
GATGAGGAGGCGGCGGAGGGCGGTGGCCCGGGCGCGGAGGAGGTGGAGTGTCCGCTGTGCCTGGTGCGGC
TGCCGCCTGAGCGGGCCCCGCGCCTCCTCAGCTGTCCGCACCGCTCGTGCCGGGACTGCCTCCGCCACTA
CCTGCGCCTGGAGATAAGCGAGAGCAGGGTGCCCATCAGCTGCCCCGAGTGCAGCGAGCGACTCAACCCG
CACGACATCCGCTTGCTGCTCGCCGACCCGCCGCTTATGCACAAGTACGAGGAGTTCATGCTGCGCCGCT
ACCTAGCCTCGGACCCCGACTGCCGCTGGTGCCCGGCCCCGGACTGCGGTTATGCTGTTATTGCCTATGG
CTGTGCCAGCTGCCCGAAGCTAACTTGTGAGAGGGAAGGTTGCCAGACTGAGTTCTGCTACCACTGCAAG
CAGATATGGCATCCAAATCAGACATGCGATATGGCCCGTCAACAGAGGGCCCAGACTTTACGAGTTCGGA
CCAAACACACTTCAGGTCTCAGTTATGGGCAAGAATCTGGACCAGCAGATGACATCAAGCCATGCCCACG
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GGGGATTTCTCTCATTGCTGGCATTGCCATTCCTGCCATGGTCATTGGCATTCCTGTTTATGTTGGAAGG
AAGATTCACAGCAGGTATGAGGGAAGGAAAACCTCCAAACACAAGAGGAATTTGGCTATCACTGGAGGAG
TGACTTTGTCGGTCATTGCATCCCCAGTTATTGCTGCAGTTAGTGTTGGTATTGGTGTCCCCATTATGCT
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CCAAAGCTGTGAACAGAAAGACTGCCTGGCCAGCAAACCTTGGGACATCAGCCTGGCCCAGCCTGAAAGC
ATCCGCAGTGACCTAGAGAGTTCTGATGCACAGTCAGACGATGTGCCAGACATCACCTCAGATGAGTGTG
GCTCCCCCCGCTCCCATACTGCAGCCTGCCCCTCGACCCCCAGAGCCCAAGGTGCACCGAGCCCAAGTGC
CCATATGAACCTCTCTGCCCTAGCCGAGGGACAAACTGTCTTGAAGCCAGAAGGTGGAGAAGCCAGAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223020 representing NM_153341
Red=Cloning site Green=Tags(s)

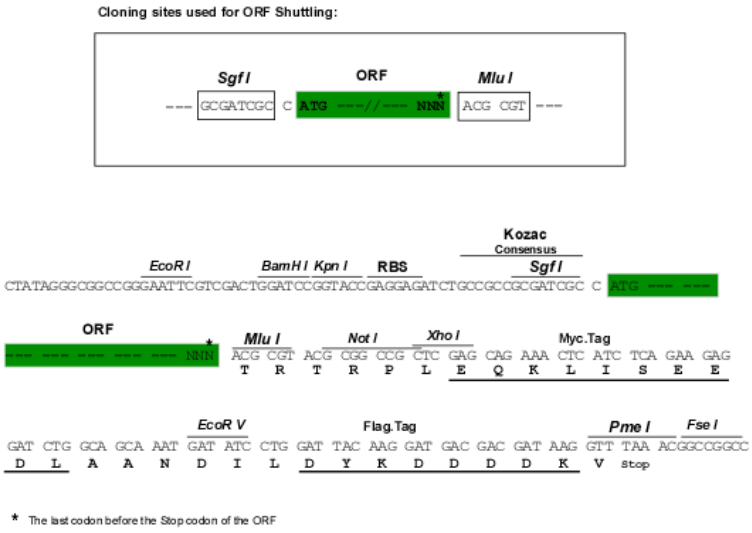
MLYNHFVVAARLLSPGGRLXXXXXXXXXXXXPPAPAPAAAQXXPPEALPAEPAAEXEAEAAAAAAEPGFD
DEEAAEGGGPGAEEVECPLCLVRLPPERAPRLLSCPHRSCRDCLRHYLRLEISESRVPISCPECSERLNP
HDIRLLLADPPLMHKYEEFMLRRYLASDPDCRWCPAPDCGYAVIAYGCASCPKLTCEREGCQTEFCYHCK
QIWHPNQTCDMARQQRAQTLRVRTKHTSGLSYGQESGPADDIKPCPRCSAYIIKMNDGSCNHMTCAVCGC
EFCWLCMKEISDLHYLSPSGCTFWGKKPWSRKKKILWQLGTLIGAPVGISLIAGIAIPAMVIGIPVYVGR
KIHSRYEGRKTSKHKRNLAITGGVTLSVIASPVIAAVSVGIGVPIMLAYVYGVVPISLCRGGGCGVSTAN
GKGVKIEFDEDDGPITVADAWRALKNPSIGESSIEGLTSVLSTSGSPTDGLSVMQGPYSETASFAALSGG
TLSGGILSSGKGKYSRLEVQADVQKEIFPKDTASLGAISDNASTRAMAGSIISSYNPQDRECNNMEIQVD
IEAKPSHYQLVSGSSTEDSLHVHAQMAENEEEGSGGGGSEEDPPCRHQSCEQKDCLASKPWDISLAQPES
IRSDLESSDAQSDDVPDITSDECGSPRSHTAACPSTPRAQGAPSPSAHMNLSALAEGQTVLKPEGGEARV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6461_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153341

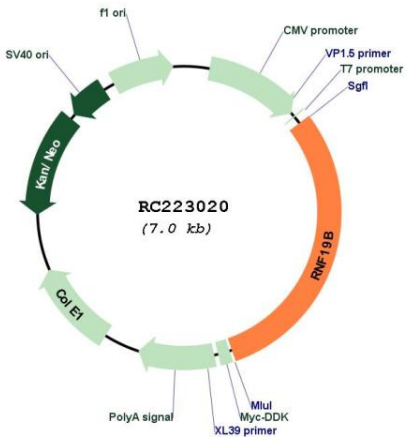
ORF Size: 2100 bp

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 Size:	1988 bp
RefSeq ORF:	2199 bp
Locus ID:	127544
UniProt ID:	Q6ZMZ0
Cytogenetics:	1p35.1
Domains:	IBR
Protein Families:	Druggable Genome, Transmembrane
MW:	57.3 kDa
Gene Summary:	This gene encodes a multi-pass membrane protein containing two RING-type and one IBR-type zinc finger motifs. The encoded protin 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 RC223020