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Product datasheet for RC239436

RNF19B (NM_001300826) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF19B (NM_001300826) 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:

>RC239436 representing NM_001300826
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTCCGAGAAGGACTCCGAGTCGCCGCGCTCCACATCGCTACATGCGGCCGCACCCGACCCTAAGT
GCCGCAGCGGCGGCCGGCGCCGGCGCCTCACCTTGCACAGCGTCTTCTCTGCCTCGGCCCGCGGCCGCCG
CGCCCGGGCCAAGCCGCAGGCCGAGCCGCCGCCCCCGGCTGCGCAGCCGCCGCCCGCCCCGGCCCCTGCC
GCGGCCCAGGGCCCGCCGCCCGAGGCGCTGCCCGCCGAGCCGGCCGCCGAGGCCGAGGCGGAGGCCGCGG
CGGCGGCGGCGGAGCCTGGGTTCGACGATGAGGAGGCGGCGGAGGGCGGTGGCCCGGGCGCGGAGGAGGT
GGAGTGTCCGCTGTGCCTGGTGCGGCTGCCGCCTGAGCGGGCCCCGCGCCTCCTCAGCTGTCCGCACCGC
TCGTGCCGGGACTGCCTCCGCCACTACCTGCGCCTGGAGATAAGCGAGAGCAGGGTGCCCATCAGCTGCC
CCGAGTGCAGCGAGCGACTCAACCCGCACGACATCCGCTTGCTGCTCGCCGACCCGCCGCTTATGCACAA
GTACGAGGAGTTCATGCTGCGCCGCTACCTAGCCTCGGACCCCGACTGCCGCTGGTGCCCGGCCCCGGAC
TGCGGTTATGCTGTTATTGCCTATGGCTGTGCCAGCTGCCCGAAGCTAACTTGTGAGAGGGAAGGTTGCC
AGACTGAGTTCTGCTACCACTGCAAGCAGATATGGCATCCAAATCAGACATGCGATATGGCCCGTCAACA
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GGCACGTTGATTGGTGCTCCAGTGGGGATTTCTCTCATTGCTGGCATTGCCATTCCTGCCATGGTCATTG
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GGAGGACTCGCTCCATGTTCATGCTCAGATGGCAGAGAATGAAGAAGAAGGTAGTGGTGGCGGAGGCAGT
GAAGAGGATCCCCCCTGCAGACACCAAAGCTGTGAACAGAAAGACTGCCTGGCCAGCAAACCTTGGGACA
TCAGCCTGGCCCAGCCTGAAAGCATCCGCAGTGACCTAGAGAGTTCTGATGCACAGTCAGACGATGTGCC
AGACATCACCTCAGATGAGTGTGGCTCCCCCCGCTCCCATACTGCAGCCTGCCCCTCGACCCCCAGAGCC
CAAGGTGCACCGAGCCCAAGTGCCCATATGAACCTCTCTGCCCTAGCCGAGGGACAAACTGTCTTGAAGC
CAGAAGGTGGAGAAGCCAGAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239436 representing NM_001300826
Red=Cloning site Green=Tags(s)

MGSEKDSESPRSTSLHAAAPDPKCRSGGRRRRLTLHSVFSASARGRRARAKPQAEPPPPAAQPPPAPAPA
AAQGPPPEALPAEPAAEAEAEAAAAAAAEPGFDDEEAAEGGGPGAEEVECPLCLVRLPPERAPRLLSCPHR
SCRDCLRHYLRLEISESRVPISCPECSERLNPHDIRLLLADPPLMHKYEEFMLRRYLASDPDCRWCPAPD
CGYAVIAYGCASCPKLTCEREGCQTEFCYHCKQIWHPNQTCDMARQQRAQTLRVRTKHTSGLSYGQESGP
DDIKPCPRCSAYIIKMNDGSCNHMTCAVCGCEFCWLCMKEISDLHYLSPSGCTFWGKKPWSRKKKILWQL
GTLIGAPVGISLIAGIAIPAMVIGIPVYVGRKIHSRYEGRKTSKHKRNLAITGGVTLSVIASPVIAAVSV
GIGVPIMLAYVYGVVPISLCRGGGCGVSTANGKGVKIEFDEDDGPITVADAWRALKNPSIGESSIEGLTS
VLSTSGSPTDGLSVMQGPYSETASFAALSGGTLSGGILSSGKGKYSRLEVQADVQKEIFPKDTASLGAIS
DNASTRAMAGSIISSYNPQDRECNNMEIQVDIEAKPSHYQLVSGSSTEDSLHVHAQMAENEEEGSGGGGS
EEDPPCRHQSCEQKDCLASKPWDISLAQPESIRSDLESSDAQSDDVPDITSDECGSPRSHTAACPSTPRA
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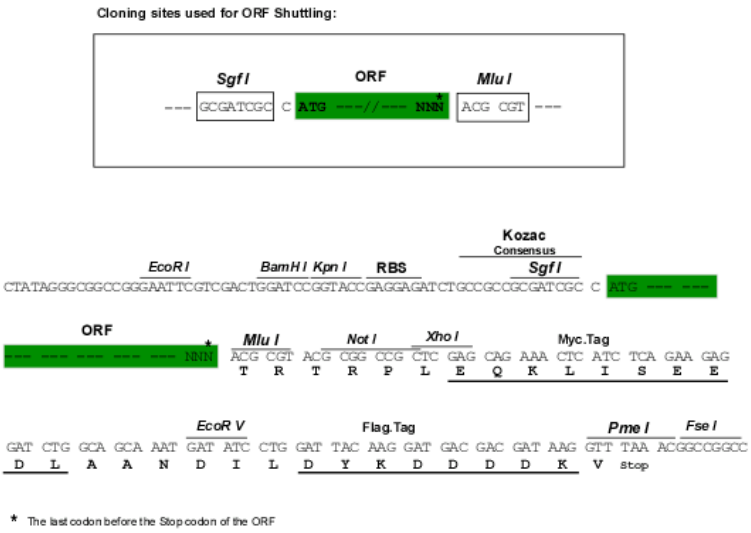
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001300826

ORF Size: 2193 bp

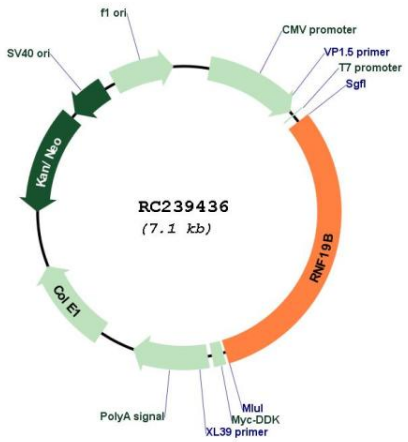
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001300826.2
RefSeq Size:	2684 bp
RefSeq ORF:	2196 bp
Locus ID:	127544
UniProt ID:	Q6ZMZ0
Cytogenetics:	1p35.1
Protein Families:	Druggable Genome, Transmembrane
MW:	78.3 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 RC239436