

Product datasheet for **RR209409**

Cd19 (NM_001013237) Rat Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cd19 (NM_001013237) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Cd19 |
| Synonyms: | MGC109570 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR209409 representing NM_001013237
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCTCCTCTCCCTGTCTCCCTCCTCTCTTACCTTAGTAGGAGGCAGGCCCAAGAATTCCT
 TACTGGTGGAGGTAGAAGAGGGAGACAATGTTGTGCTGTATGCCTCCGGGACTCCTCACCTGTCTCTTC
 TGAGAAGCTGGCTTGGTATCGAGGTAACCAAGTCAACACCCCTCCTGGAGCTGAGCCTCAGGTCCCGGAC
 CTGGGTCTGCACATCGGGCCCTGGGCATCTTGCTAGTGATTGTCAATGTCTCGGACCATAGGGGGGCT
 TCTATCTGTGCCAAAAGAGGCCCTTTTCAAGGACACCTGGCAGCCTGCCTGGACCGTAAACGTGGAGGA
 TAGTGGGAGCTGTTCCGGTGAATGCTTCAGACTTGGGGACCTGGATTGTGACCTAGGAAACAGGTCC
 TCAGGGAGCCACAGTCCACTTCTGGTCCCAGCTGTATGTGTGGCTACAGATCATCTGAGGTCTGGA
 AAACAAAGCCTGTATGTCCCCACGGGAGATCAGTCTGAATCAGAGTCTAATCAACCAAGATCTCACTGT
 GGCCCTGGCTCCACACTTTGGCTGTCTGTGGCTACCCCTGTCCAGTGACCAAAGGCTCCATCTCC
 TGACCCATGTGATCCTAAGACGCTTAACGTTTCATTACTGAGCCTAAGCCTTGGGGGAGAGCACCCAG
 TGAGAGAGATGTGGGTTTGGGGTCTCTTTTGCTACTGCCCAAGCCAAAGCTTCAGATGAAGGTACCTA
 TTATTGTCTCAAGGAGGCTGACCATCAAGATGCACGTGAAGGTCAATGCAAGGTGAGCAGTGTGGCTC
 TGGCTGTTGAGGACTGGTGGATGGATAGTCCCAGTTGTGACTTTAGTATATGTCACTTCTGTATGGTTT
 CTATGGCGGCTTTTCTCTATTTTGAAGAGCCTTCATCCTGAGGAGGAAGAGGAAGCAATGACCCAGCC
 TGCTAGGAGATTTCAAAGTGACGCCTCCCTCAGGAAACGGGACCCAGAACCAGTATGGGAATGTGCTC
 TCCCTTCTACATCTACCTCTGGCCAGGCCATGCTCAGCGTTGGGCTGCTAGCCTAGGGAGTGGTCCCTG
 TGTCTATGGAAATCCACGCATTGAAGTCCAGGATGCTGGAGCTCAGAGACATGAAACAGGACTGGAAGA
 AGAAGGGGAGGCCATGAAGAGCCAGACAGCGAGGAGGGCTCTGAATTCTATGAGAATGACTCCAACCTT
 GAGCAGGATCAACTTTCCAGGATGGCAGTGGCTATGAGAACCCTGAGGATGACCCCGTAGTCCAGAGG
 AGGAAGACTCCTTCTCCAATGCCGAGTCTTATGAAAATGCAGATGAGGAGCTGGCCCAACCAGTTGGCAG
 GACGATGGACTTCTGAGCCCCACGGTCTGCATGGGACCCAGCCGGGAAGCATCCTCCCTTGGGTCC
 CAGTCTACGAAGACATGAGAGGGATCCTGTATGCAGCTCCTCAGCTCCAATCAATTCGGTCTGGTCCCA
 GTCATGAGGAAGATGCAGACTCTTATGAAAACATGGATAAATCTGACGACCCAGAGCCAGCATGGGCAGG
 AGAGGGCCACATGGGACTTGGGTGCCACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209409 representing NM_001013237
 Red=Cloning site Green=Tags(s)

MPSPLPVSLLLFLTLVGGRPQNSLLVEVEEGDNVVL SCLR DSSPVSEKLAWYRGNQSTPFLELSLRSPD
 LGLHIGPLGILLVIVNVDHRGGFYLCQKRPSFKDTPAWTVNVEDSGELFRWNASDLGDLDCDLGNRS
 SGRHSTSGSQLYVWATDHPVWTKPVCAPREISLNQSLINQDLTVAPGSTLWLSGVPVPPVTKGSIS
 WTHVHPKTLNVSLLSLGGHEHPVREMWWGSLLLL P QAKASDEGTYCYLQGLTIKMHVKVIARSAVWL
 WLLRTGGWIVPVVTLVYVIFCMVSMAAFLYFRRAFILRRKRKRMTPARRFFKVTTPPSGNGTQNYGNVL
 SLPTSTSGQAHAQRWAASLGSGPVSYGNPRIEVQDAGAQRHETGLEEEGEAYEEDPSEEGSEFYENDSNL
 EQDQLSQDGSYENPEDDPVGPEEEDSF SNAESYENADEELAQPVGRTMDFLSPHGSAWDPSREASSLGS
 QSYEDMRGILYAAPQLQSIRSGPSHEEDADSYENMDKSDDPEPAWAGEGHMGTWGAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

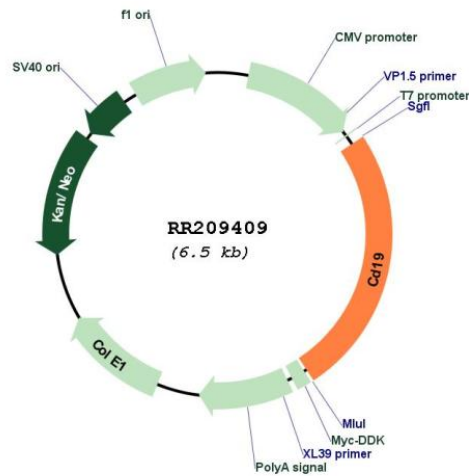
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



| | |
|-------------------------------|---|
| ACCN: | NM_001013237 |
| ORF Size: | 1641 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: | <ol style="list-style-type: none">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_001013237.3 , NP_001013255.2 |
| RefSeq Size: | 2404 bp |
| RefSeq ORF: | 1644 bp |
| Locus ID: | 365367 |
| Cytogenetics: | 1q36 |
| MW: | 60.3 kDa |