

Product datasheet for **MR217289**

Cdk19 (NM_198164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk19 (NM_198164) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk19
Synonyms:	2700084L06Rik; AI845279; AW228747; Cdc216; CDK11; mKIAA1028
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217289 representing NM_198164
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATTATGATTCAAGGCGAAGCTGGCGCGGAGCGGGAGCGGGTGGAGGATCTGTTTGTAGTACGAAG
 GGTGCAAAGTGGGACCGGCACCTACGGGCATGTCTACAAGCGAGGCGGAAAGATGGAAAAGATGAAAA
 GGAATATGCACCTTAAGCAAATCGAAGGCACAGGAATATCTATGTCGGCTTGTAGAGAGATTGCACCTTTG
 AGAGAAGTGAAGCACCTAATGTGATCGCATTGCAGAAGGTGTTCTTTCTCACAGCGACAGGAAGGTGT
 GGCTGCTGTTTACTATGCAGAACATGACCTTTGGCATATTATTAAGTTTACCCTGCATCAAAGCAAA
 TAAAAAGCCCATGCAGTTACCAAGATCCATGGTTAAATCACTGCTGTACCAGATCCTCGATGGCACCAT
 TACCTCCACGCAAAGTGGTGTCCACAGGACCTGAAACCAGCAAATATCCTAGTAATGGGAGAAGGTC
 CTGAAAGGGGAGAGTCAAATAGACATCTGGCAATAGGCTGCATATTTGCTGAACTCTTGACTTCAGA
 ACCCATTTTTCTGCTGCTCAGGAGGATATAAAAAACAAGCAATCCTTTTCATCATGATCAGTTAGATCGA
 ATATTTAGTGTATGGGTTTCTCTGCAGATAAAGACTGGGAAGATATTAGAAAAATGCCAGAGTACCCAA
 CACTTCAGAAAAGACTTTGGAAGAACAACGTACGCCAACAGCAGCCTCATAAAATACATGGAGAAGCACAA
 GGTCAAGCCTGACAGCAAAGTGTCTCTCTGCTTCAGAACTCCTCACCATGGATCCAACCAAGAGAATC
 ACCTCAGAGCAGGCTCTGCAGGACCTTACTTCCAGGAAGACCCCTGCCAACATTAGATGTGTTTCGCTG
 GCTGCCAGATTCCGTACCCAAAAGAGAATTCCTTAATGAAGATGAACAGAGAAGAAAGGTGACAAGAA
 CCAGCCACAGCAGCAGAACCCACATCAGCAACCTGCAGCCCCGCACAGCAGACAGCAGCCCCCCCACAG
 GCTCCTCCACCACAGCAGAGCAGTGCCTAAACCAATGAACTGCTGGGGGAGCCACTGCGGGAGGCGGGG
 GCGCTGGAGCGGGGCTGCAGCACAGCCAGGACCCCGGGCTGAATCAGGTGCCTCCAAACAAGAAGCCCCG
 GATTGGGCTTCCGGTGCAAACCTCAGGCGGGCCGTTATGCCGTGGGATTATCAGCATTCCAGTTCTCGC
 CTGAATTACCAAAGCAGGTTACAGGGTCTCTCAGTCCCAGAGTACGCTAGGCTACTCTTCATCTCAAC
 AGAGTACCAGTACCCTCATCTCACCAGACCCACCGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217289 representing NM_198164
 Red=Cloning site Green=Tags(s)

MDYDFKAKLAAERERVELDFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIEGTGISMSACREIAL
 RELKHPNVIALQKVFLSHDRKVWLLFDYAEHDLWHIIKFHRASKANKKPMQLPRSMVKSLLYQILDGII
 YLHANWVLRDLKPANILVMGEGPERGRVKIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPFHHDQLDR
 IFSVMGF PADKDWEDIRKMP EYPTLQKDFRRRTTYANSSLIK YMEKHVKVPDSKVFLLLQKLLTMDPTKRI
 TSEQALQDPYFQEDPLPTLDVFAQCIPYPKREFLNEDEPEEKGDKNPQQQNP HQPAAPAQQTAAAPQ
 APPPQQSSAQTNGTAGGATAGGGGAGAGLQHSQDPGLNQPVPNKKPRI GPGANS GGPVMP SDYQHSSSR
 LNYQSSVQSSSQSTLGYSSSQSTQYHSSHQTHRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_198164

ORF Size: 1371 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_198164.3](#), [NP_937807.2](#)

RefSeq Size: 5696 bp

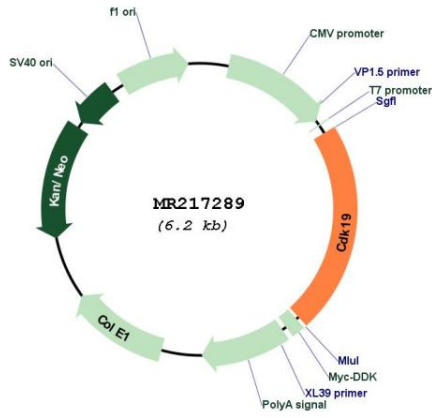
RefSeq ORF: 1374 bp

Locus ID: 78334

Cytogenetics: 10 B1

MW: 52.1 kDa

Product images:



Circular map for MR217289