

Product datasheet for **MG217289**

Cdk19 (NM_198164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk19 (NM_198164) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdk19
Synonyms:	2700084L06Rik; AI845279; AW228747; Cdc216; CDK11; mKIAA1028
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217289 representing NM_198164
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTATGATTCAAGGCGAAGCTGGCGCGGAGCGGGAGCGGGTGGAGGATCTGTTTGAAGTACGAAG
 GGTGCAAAGTGGGACCGGCACCTACGGGCATGTCTACAAGCGAGGCGAAAGATGGAAAAGATGAAAA
 GGAATATGCACCTTAAGCAAATCGAAGGCACAGGAATATCTATGTCGGCTTGTAGAGAGATTGCACCTTTG
 AGAGAAGTGAAGCACCTAATGTGATCGCATTGCAGAAGGTGTTCTTTCTCACAGCGACAGGAAGGTGT
 GGCTGCTGTTTACTATGCAGAACATGACCTTTGGCATATTATTAAGTTTCACCGTGCATCAAAGCAAA
 TAAAAAGCCCATGCAGTTACCAAGATCCATGGTTAAATCACTGCTGTACCAGATCCTCGATGGCACCAT
 TACCTCCACGCAAAGTGGTGTCCACAGGACCTGAAACCAGCAAATATCCTAGTAATGGGAGAAGGTC
 CTGAAAGGGGAGAGTCAAATAGACATCTGGCAATAGGCTGCATATTTGCTGAACTCTTGACTTCAGA
 ACCCATTTTTCTGCTCAGGAGGATATAAAAAACAAGCAATCCTTTTCATCATGATCAGTTAGATCGA
 ATATTTAGTGTATGGGTTTCTCTGCAGATAAAGACTGGGAAGATATTAGAAAAATGCCAGAGTACCCAA
 CACTTCAGAAAAGACTTTGGAAGAACAACGTACGCCAACAGCAGCCTCATAAAATACATGGAGAAGCACA
 GGTCAAGCCTGACAGCAAAGTGTCTCTCTGCTTCAGAACTCCTCACCATGGATCCAACCAAGAGAATC
 ACCTCAGAGCAGGCTCTGCAGGACCTTACTTCCAGGAAGACCCCTGCCAACATTAGATGTGTTTCGCTG
 GCTGCCAGATTCCGTACCCAAAAGAGAATTCCTTAATGAAGATGAACAGAGAAGAAAGGTGACAAGAA
 CCAGCCACAGCAGCAGAACCCACATCAGCAACCTGCAGCCCCGCACAGCAGACAGCAGCCCCCAGCAG
 GCTCCTCCACCACAGCAGCAGTGCACAAACCAATGAACTGCTGGGGAGCCACTGCGGGAGGCGGGG
 GCGCTGGAGCGGGGCTGCAGCACAGCCAGGACCCCGGCTGAATCAGGTGCCTCCAAACAAGAAGCCCG
 GATTGGGCTTCCGGTGCAAACCTCAGGCGGCCGTTATGCCGTGGGATTATCAGCATTCCAGTTCTCGC
 CTGAATTACAAAGCAGCGTACAGGGTCTCTCAGTCCCAGAGTACGCTAGGCTACTCTTCATCTCAAC
 AGAGTACCAGTACCCTCATCTCACCAGACCCACCGGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217289 representing NM_198164
 Red=Cloning site Green=Tags(s)

MDYDFKAKLAAERERVEDLFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIEGTGISMSACREIAL
 RELKHPNVIALQKVFLSHSDRKVWLLFDYAEHDLWHIIKFHRASKANKKPMQLPRSMVKSLLYQILDGII
 YLHANVWLHRDLKPANILVMGEGPERGRVKIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPFHHDQLDR
 IFSVMGFADKDWEDIRKMPYPTLQKDFRRTTYANSSLIKMEKHKVKPDSKVFLLLQKLLTMDPTKRI
 TSEQALQDPYFQEDPLPTLDVFAQCQIPYPKREFLNEDEPEEKGDKNPQQQNPQQPAAPAQQTAAAPQ
 APPPQQSSAQTNGTAGGATAGGGGAGAGLQHSQDPGLNQVPPNKKPRIGPSGANSVMPSPDYQHSSSR
 LNYQSSVQSSSQSTLGYSSSQSTQYHSSHQTHRY

TRTRPLE - GFP Tag - V

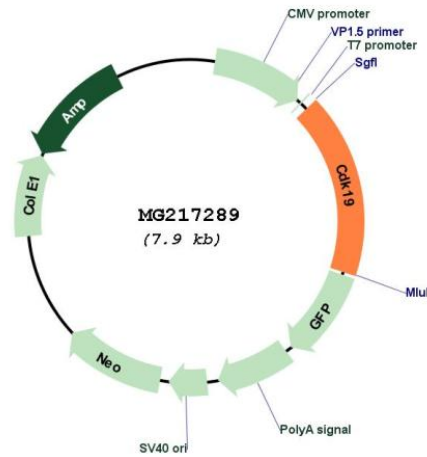
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	<u>NM_198164.3</u> , <u>NP_937807.2</u>
RefSeq Size:	5696 bp
RefSeq ORF:	1374 bp
Locus ID:	78334
Cytogenetics:	10 B1