

Product datasheet for **MG215712**

Cdk19 (NM_001168304) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk19 (NM_001168304) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdk19
Synonyms:	2700084L06Rik; AI845279; AW228747; Cdc2l6; 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:

>MG215712 representing NM_001168304
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTATGATTCAAGGCGAAGCTGGCGCGGAGCGGGAGCGGGTGGAGGATCTGTTTGAAGTACGAAG
 GGTGCAAAGTGGGACCGGCACCTACGGGCATGTCTACAAGCGAGGCGAAAGATGAAAAAGATGAAAA
 GGAATATGCACCTAAGCAAATCGAAGGCACAGGAATATCTATGTCGGCTGTAGAGAGATTGCACCTTTG
 AGAGAAGTGAAGCACCTAATGTGATCGCATTGCAGAAGGTGTTCTTTCTCACAGCGACAGGAAGGTGT
 GGCTGCTGTTGACTATGCAGAACATGACCTTTGGCATATTATTAAGTTTCACCGTGCATCAAAAGCAAA
 TAAAAAGCCCATGCAGTTACCAAGATCCATGGTTAAATCACTGCTGTACCAGATCCTCGATGGCACCAT
 TACCTCCACGCAAAGTGGTGTCCACAGGGACCTGAAACCAGCAAAATATCCTAGTAATGGGAGAAGGTC
 CTGAAAGGGGAGAGTCAAAATAGCTGACATGGGTTTTGCCAGGTTATTCATTTCTCCCCTAAAGCCACT
 CGCAGATTTGGATCCAGTGGTTGTGACATTTTGGTATCGGGCTCCGGAACTTTACTTGGTGCCAGGCAT
 TACACAAAGGCCATTGACATCTGGGCAATAGGCTGCATATTTGCTGAACTCTTGACTTCAGAACCATT
 TCACTGTCGTCAGGAGGATATAAAAAAAGCAATCCTTTTCATCATGATCAGTTAGATCGAATATTAG
 TGTGATGGGGTTTCTGCAGATAAAGACTGGGAAGATATTAGAAAAATGCCAGAGTACCCAAACACTTCAG
 AAAGACTTTTGAAGAACAACGTACGCCAACAGCAGCCTCATAAAATACATGGAGAAGCACAAGGTCAAGC
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 GCAGGCTCTGCAGGACCTTACTTCCAGGAAGACCCCTGCCAACATTAGATGTGTTTCGCTGGCTGCCAG
 ATTCGGTACCCCAAAAGAGAATTCCTTAATGAAGATGAACCAGAAGAGAAAGGTGACAAGAACCAGCCAC
 AGCAGCAGAACCACATCAGCAACTGCAGCCCCGACAGCAGCAGCAGCCCCACAGGCTCCTCC
 ACCACAGCAGAGCAGTGCCTCAAAACAATGGAAGTGTGGGGAGCCACTGCGGGAGGCGGGGCGCTGGA
 GCGGGGCTGCAGCACAGCCAGGACCCCGGGCTGAATCAGGTGCCTCCAACAAGAAGCCCGGATTGGGC
 CTTCCGGTGCAAAGTCAAGCGGGCCCGTTATGCCGTCGGATTATCAGCATTCCAGTTCTCGCCTGAATTA
 CCAAAGCAGCGTACAGGGTCTCTCAGTCCCAGAGTACGCTAGGCTACTCTTCTCAACAGAGTACC
 CAGTACCCTCATCTCACCAGACCCACCGGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215712 representing NM_001168304
 Red=Cloning site Green=Tags(s)

MDYDFKAKLAAERERVEDLFEYEGCKVGRGTYGHVYKARRKDGKDEKEYALKQIEGTGISMSACREIAL
 RELKHPNVIALQKVFLSHSDRKVWLLFDYAEHDLWHIIKFHRASKANKKPMQLPRSMVKSLLYQILDGIIH
 YLHANWVLRDLKPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYRAPELLLGARH
 YTKAIDIWAIGCIFAELLTSEPIFHCQRQEDIKTSNPFHHDQLDRIFSVMGFPADKDWEDIRKMPYPTLQ
 KDFRRTTYANSSLIKMEKHKVKPDSKVFLLQKLLTMDPTKRITSEQALQDPYFQEDPLPTLDVFAAGCQ
 IPYPKREFLNEDEPEEKGDKNQPQQNPHQQAAPQAAPPQAPPQSSAQNTAGGATAGGGGAG
 AGLQHSQDPGLNQVPPNKKPRIGPSGANSGGPVMPSDYQHSSSRLNYQSSVQSSQSSTLGYSSSQST
 QYHSSHQTHRY

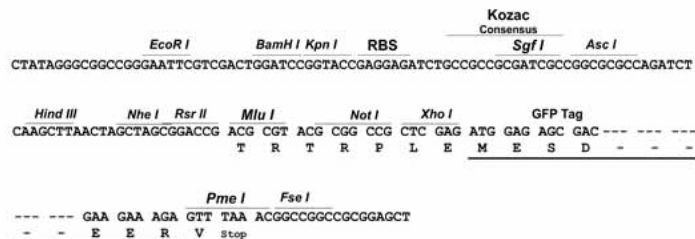
TRTRPLE - GFP Tag - V

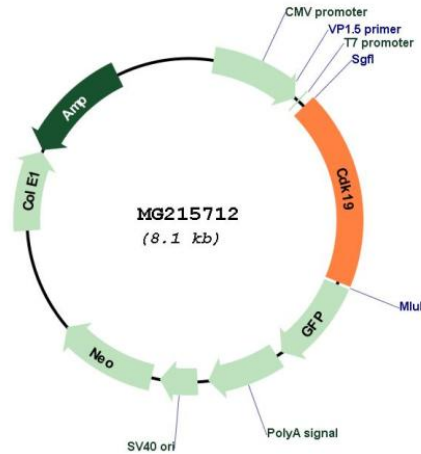
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001168304

ORF Size: 1503 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_001168304.1](#), [NP_001161776.1](#)

RefSeq Size: 5828 bp

RefSeq ORF: 1506 bp

Locus ID: 78334

UniProt ID: [Q8BWD8](#)

Cytogenetics: 10 B1