

## Product datasheet for **MG201344**

### Cdkn2d (NM\_009878) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cdkn2d (NM\_009878) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cdkn2d  
**Synonyms:** INK4d; p19; p19INK4d  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201344 representing NM\_009878  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTTCTGGAAGAAGTCTGCGTCGGCGACCGGTTGAGTGGCGCAGCGGCCCGTGGCGACGTGCAAGAGG  
 TCCGCCGCTTCTTCATCGGGAGCTGGTGCATCCTGACGCCCTGAACCGCTTTGGCAAGACGGCCTTGCA  
 GGTGATGATGTTTGAAGTCCAGCAGTTGCTTTGGAGCTCCTGAAGCAAGGTGCCAGCCCAATGTCCAA  
 GATGCCCTCGGTACTAGTCTGTGCATGATGCGGCTCGCACCGGGTTCCTGGACACCTGAAGTTCTGG  
 TGGAGCATGGTGTGATGTCATGCCCTGGACAGCACTGGTTCGCTCCCATCCATCTGGCGATAAGAGA  
 GGGCCATAGTCCGTGGTCAGCTTCTAGCTCCTGAATCTGATCTCCACCACAGGACGCTTCCGGTCTC  
 ACTCCCCTGGAGTTGGCTCGGCAGAGAGGGCTCAGAACCTCATGGACATTCTGCAGGGCCACATGATGA  
 TCCCAATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201344 representing NM\_009878  
 Red=Cloning site Green=Tags(s)

MLLEEVCGDRLSGAAARGDVQEVRRLLHRELVHPDALNRFGKTALQVMMFGSPAVALLELLKQGASPNVQ  
 DASGTSPIVHDAARTGFLDTLKVLEHGADVNALDSTGSLPIHLAIREGHSSVVSFLAPESDLHHRDASGL  
 TPLELARQRGAQNLMDILQGHMMIPM

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

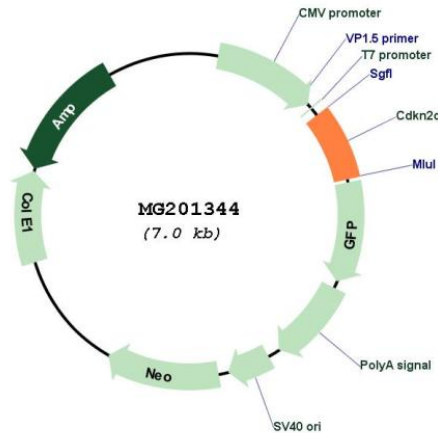


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_009878

ORF Size: 498 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_009878.2</a></u> , <u><a href="#">NP_034008.2</a></u>
<b>RefSeq Size:</b>	1116 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	12581
<b>UniProt ID:</b>	<u><a href="#">Q60773</a></u>
<b>Cytogenetics:</b>	9 A3
<b>Gene Summary:</b>	Interacts strongly with CDK4 and CDK6 and inhibits them.[UniProtKB/Swiss-Prot Function]