

## Product datasheet for **MG216908**

### Cdk5r2 (NM\_009872) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk5r2 (NM_009872) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdk5r2
Synonyms:	B230310J22Rik; p39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216908 representing NM_009872 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCACGGTGTGCTGTCGCTTTCCCTGCTTCTCGGCCAAGGGCCGGAGGCCGGGAGGGCTGCCGGAGG  
AGAAAAAGAAAGGCGCCGCCCGGGGGACGAGGCGCTGGGGGGCTACGGCGCGCCCGCGCCGCAAGGG  
CGGCAAAGGCGAGAGCCGGCTCAAACGGCCGTCCTGTCTCATCTCGGCGCTCACCTGGAAGCGCCTAGTG  
GCAGCCTCGGCCAAGAAGAAGAAAGGCAGCAAAAAGGTGACGCCAAGCCAGCGTCCACCGGTCCCAGCC  
CTCTGGTCCAGCAACGCAACCGCGAGAACCTTCTCCGCAAGGGCCGCGACGGCCCGACGGTGGCGGAAC  
AGCCAAGCCCCTGGCCGTGCCGGTGCCACGGTGCCACGACCGCTGCCACCTGCGAGCCCCCGTGGGG  
GGCAGCGCAGCCGCCCTCCACCAGGCTCAGGCGGGGAAAGCCGCCCGCCGCCACCCCCAGCCCCG  
AGGCGGCACCGCCGGCGCCCGGAGGCTCGCCCGCGGGTTCATCGTGCAGGCGTCTACCGCGAGCTGCT  
CCGCTGCTCGGCGACTTCGTGTGCCGACGCTGTACCGCCTCAAGGAGCTGAGCCCCGGCGAGCTGGT  
GGCTGGTCCGCGCGTGGACCGCTCGCTGCTGCTGCAGGGTGGCAAGACCAGGCTTCATTACCCCCG  
CCAACCTGGTGTTCGTGTACCTGCTGTGCCGGGAGTCGCTTCGTGGGACGAGCTGGCGTCCGCCGCGGA  
ACTGCAGGCCGCTTCTCACCTGCCTTACCTCGCCTACTCCTACATGGGAACGAGATCCTACCCG  
CTCAAGCGTTCTCGTGGAGCCGACAAGGAGCGCTTCTGGCAGCGCTGCCTCGCCTCATCCAGCGGC  
TCAGCCCCGAGATGCTGCGACTCAACGCCGACCCCACTTCTTACGCAAGTCTTTCAAGACCTCAAGAA  
CGAGGGCGAGGCCGCGCGAGCACCAGGGTCCACCGAGCGGAAGCAGCGCTCCACCACCTCCTCCTCG  
AGCGCCAGGGACAGCTGCGCGACCGGAGCAAGCACTGGACTATGAACCTGGACCGC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216908 representing NM\_009872  
Red=Cloning site Green=Tags(s)

MGTVLSLSPASSAKGRRPGGLPEEKKKAPPAGDEALGGYGAPPAGKGGKGESRLKRPSVLISALTWKRLV  
 AASAKKKKGSKKVTPKPASTGPDPLVQQRNRENLLRKGRDGPDGGGTAKPLAVPVPTVPTTAATCEPPSG  
 GSAAAPPPGSGGKPPPPPPAPQAAPPAGGSPRRVIVQASTGELLRCLGDFVCRRCYRLKELSPGELV  
 GWFRGVDRSLLLQGWQDQAFITPANLVFVYLLCRESLRGDELASAAELQAAFLTCLYLAYSIMGNEISYP  
 LKPFLLVEPDKERFWQRCLRLIQRLSPQMLRLNADPHFFTQVFQDLKNEGEAAASTGGPPSGSSASTSSS  
 SARDSCATGAKHWTMNLDR

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1592\\_e10.zip](https://cdn.origene.com/chromatograms/ja1592_e10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_009872

**ORF Size:** 1107 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\\_009872.3](#), [NP\\_034002.2](#)

**RefSeq Size:** 2704 bp

**RefSeq ORF:** 1110 bp

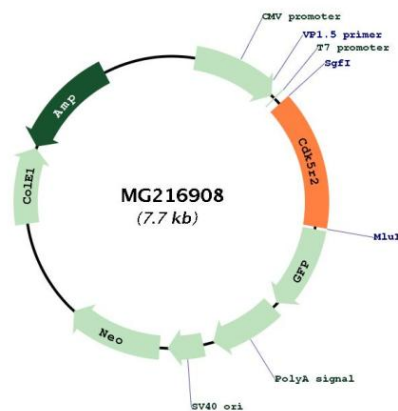
**Locus ID:** 12570

**UniProt ID:** [O35926](#)

**Cytogenetics:** 1 C4

**Gene Summary:** Activator of CDK5/TPKII.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG216908