

Product datasheet for **MG202280**

Cdkn3 (BC049694) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkn3 (BC049694) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdkn3
Synonyms:	2410006H10Rik; KAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202280 representing BC049694 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCGCCATTTCAATACAAGCAAGTGAGTTTGATTCTTCAGACGAAGAACCTGTTGATGAAGAAC
AGACTCCAATTCAAATTCATGGCTACCTCTGTCGCGAGTGAATTGTTCCAGTTTCTCGGTTTATGTGC
TCTTCCAGTTGTAAGTTTAAAGATGTTAGAAGAAATATTCAGAAAGATACAGAAGAACTAAAGAGCTAC
GGGATCCAAGACGTGTTGTTTTCTGCACCAGAGGGGAGCTGTCAAATATAGAGTCCCAAACCTTCTGG
ACCTCTACCAACAATATGGAATTGTACCCATCATCATCCGATCCAGATGGAGGGACTCCCGACATTGG
CAGCTGCTGGGAAATCATGGAGGAGCTGGCCACCTGCCTCAAAAACAACCGGAAAACCTGATACATTGT
TACGGAGGACTTGAAGATCCTGTCTTGCTGCTTGTCTCCTCTATACTTGTCTGACTCAATCTCACCAC
AGCAAGCCATAGACAGCCTTCGAGATGTCAGAGGATCTGGGGCGATACAGACCATCAAGCAATATAACTA
TCTTCATGAATCCGGGATAAATTAGCTGCGTATCTATCATCAAGAGATTCACTATCAAGATCTGTGTCC
AGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202280 representing BC049694
Red=Cloning site Green=Tags(s)

MKPPISIQASEFDSSDEEPVDEEQTPIQISWLPLSRVNC SQFLGLCALPGCKFKDVRNRIQKDTEELKSY
 GIQDVFVFC TRGELSKYRVPNLLDL YQQYGI VTHHHPIPDGGTPDIGSCWEIMEELATCLKNNRKTLIHC
 YGGLGRSCLAACLLLYLSDSISPQQAIDSLRDVRGSGAIQTIKQYNYLHEFRDKLAAYLSSRDLSRSVSR

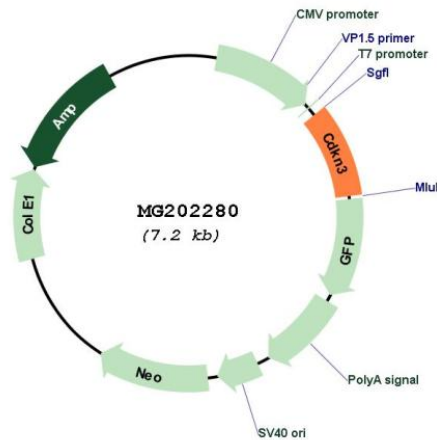
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC049694

ORF Size: 635 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:	BC049694 , AAH49694
RefSeq Size:	812 bp
RefSeq ORF:	635 bp
Locus ID:	72391
Cytogenetics:	14 C1
Gene Summary:	May play a role in cell cycle regulation. Dual specificity phosphatase active toward substrates containing either phosphotyrosine or phosphoserine residues. Dephosphorylates CDK2 at 'Thr-160' in a cyclin-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]