

## Product datasheet for **RN214630**

### **Cdkn3 (NM\_001106028) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cdkn3 (NM\_001106028) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cdkn3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN214630 representing NM\_001106028  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCGCCCATTTCAATACAAGCAAGCGAGTTTGATTCTTCAGACGAAGAGCCTGCTGACGACGAGC  
AGACTCCAATTCAAATTCATGGCTACCTCTGTCACGAGTGAATTGTTCTCAGTTTCTCGGTTTATGTGC  
TCTTCCAGTTGTAAATTTAAAGATGTTAGAAGAAACATTCAAAAAGATACAGAGGAATAAAGAGCTCT  
GGGATCCAAGACGTATTTGTTTTCTGCACCAGAGGGAACGTCAAATATAGAGTCCCAAACCTTCTGG  
ACCTCTACCAACAATATGGAATTGTACCCATCATCATCCGATCCAGATGGAGGGACTCCCGACATTGG  
CAGCTGCTGGAAATCATGGAGGAGCTGGCCACCTGCCTTAAAAACAACCGAAAAACCTGATACAGTAT  
GTTCTTCCCGGATACCACACAAGCAACATTCAAATGACTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001106028  
**Insert Size:** 471 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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\\_001106028.1](#), [NP\\_001099498.1](#)

**RefSeq Size:** 804 bp

**RefSeq ORF:** 471 bp

**Locus ID:** 289993

**Cytogenetics:** 15p14

**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]