

Product datasheet for **RN210976**

Cdk20 (NM_001025752) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk20 (NM_001025752) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdk20
Synonyms: Ccrk
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210976 representing NM_001025752
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATCAGTATTGCATCCTCGGTGCGATCGGGGAGGGCGCCACGGCATCGTCTTTAAAGCCAAGCAGC
TAGAGACTGGCGAGATCGTTGCCCTCAAGAAGGTGGCCCTGCGGGCGCTGGAGGATGGTATTCTAACCA
GGCCCTCAGGGAAATCAAGGCTCTGCAGGAGATCGAGGACAGTCAATATGTGGTACAGCTGAAGGCTGTG
TTCCACATGGTCAGGCTTTGTGCTGGCTTTTCGAGTTTATGCTGTGGACCTGGCGGAGGTGGTGCGCC
ATGCCCCAGAGGCCACTAGCCCCAGCACAGGTTAAGAGCTACCTGCAGATGCTGCTCAAAGGTGTTGCATT
TTGCCATGCCAACACATCGTGCATCGGGACCTGAAGCCTGCCAACCTGCTCATCAGTGCCTCAGGCCAG
CTCAAGATAGCTGACTTTGGACTGGCCCGGTCTTCTCTCCAGATGGTGGTCGCCCTACACACATCAGG
TGGCCACCAGGTGGTACCGAGCTCCTGAGCTCCTGTACGGTGCTCGGCAGTATGACCAGGGTGTGACCT
ATGGGCTGTAGGCTGTATTATGGGAGAGCTGTTGAATGGATCCCCCTATTCCCGGGAGAAAACGACATT
GAACAAGTGTGCTGTGCTTGAATCCTGGGTACCCCGAGTCTCGAGTCTGGCCGGAGATCACAGAGC
TGCTGACTACAACAAGATCTCCTTCAAGGAGCAGGCACCAAGTCCCCCTGGAGGAGGTGCTGCCTGATGC
CTCTCACCAGGCCCTGGACCTGCTGGGTAGTTTCTCCTTTACCCTCCAGCAGCGTATTGCAGCCTCC
CAGGCCCTTCTGCATCAGTATTTCTTACAGCTCCTCTGCCTGCCATCCGTCTGAGCTGCCAATTCCTC
AGCGCCCAGGGGACCCACACCAAGGCTCATCCAGGGCCCCCATGTCCATGACTTCCATGTGGATCG
TCCTCTTGAGGAGTCACTGTTGAATCCAGAAGTATCCGGCCCTTATCCAGAGGGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025752



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Insert Size:	1041 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:	<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:	<u>NM_001025752.2</u> , <u>NP_001020923.2</u>
RefSeq Size:	2145 bp
RefSeq ORF:	1041 bp
Locus ID:	364666
UniProt ID:	<u>Q4KM34</u>
Cytogenetics:	17p14
Gene Summary:	Required for high-level Shh responses in the developing neural tube. Together with TBC1D32, controls the structure of the primary cilium by coordinating assembly of the ciliary membrane and axoneme, allowing GLI2 to be properly activated in response to SHH signaling. Involved in cell growth. Activates CDK2, a kinase involved in the control of the cell cycle, by phosphorylating residue 'Thr-160' (By similarity).[UniProtKB/Swiss-Prot Function]