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## Product datasheet for RC208560

## CDK6 (NM_001259) Human Tagged ORF Clone

## Product data:

Product Type:
Product Name:

## Tag:

Symbol:
Synonyms:
Mammalian Cell
Selection:
Vector:
E. coli Selection:

ORF Nucleotide
Sequence:

Expression Plasmids
CDK6 (NM_001259) Human Tagged ORF Clone
Myc-DDK
CDK6
MCPH12; PLSTIRE
Neomycin
pCMV6-Entry (PS100001)
Kanamycin ( $25 \mathrm{ug} / \mathrm{mL}$ )
>RC208560 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

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TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC

ATGGAGAAGGACGGCCTGTGCCGCGCTGACCAGCAGTACGAATGCGTGGCGGAGATCGGGGAGGGCGCCT ATGGGAAGGTGTTCAAGGCCCGCGACTTGAAGAACGGAGGCCGTTTCGTGGCGTTGAAGCGCGTGCGGGT GCAGACCGGCGAGGAGGGCATGCCGCTCTCCACCATCCGCGAGGTGGCGGTGCTGAGGCACCTGGAGACC TTCGAGCACCCCAACGTGGTCAGGTTGTTTGATGTGTGCACAGTGTCACGAACAGACAGAGAAACCAAAC TAACTTTAGTGTTTGAACATGTCGATCAAGACTTGACCACTTACTTGGATAAAGTTCCAGAGCCTGGAGT GCCCACTGAAACCATAAAGGATATGATGTTTCAGCTTCTCCGAGGTCTGGACTTTCTTCATTCACACCGA GTAGTGCATCGCGATCTAAAACCACAGAACATTCTGGTGACCAGCAGCGGACAAATAAAACTCGCTGACT TCGGCCTTGCCCGCATCTATAGTTTCCAGATGGCTCTAACCTCAGTGGTCGTCACGCTGTGGTACAGAGC ACCCGAAGTCTTGCTCCAGTCCAGCTACGCCACCCCCGTGGATCTCTGGAGTGTTGGCTGCATATTTGCA GAAATGTTTCGTAGAAAGCCTCTTTTTCGTGGAAGTTCAGATGTTGATCAACTAGGAAAAATCTTGGACG TGATTGGACTCCCAGGAGAAGAAGACTGGCCTAGAGATGTTGCCCTTCCCAGGCAGGCTTTTCATTCAAA ATCTGCCCAACCAATTGAGAAGTTTGTAACAGATATCGATGAACTAGGCAAAGACCTACTTCTGAAGTGT TTGACATTTAACCCAGCCAAAAGAATATCTGCCTACAGTGCCCTGTCTCACCCATACTTCCAGGACCTGG AAAGGTGCAAAGAAAACCTGGATTCCCACCTGCCGCCCAGCCAGAACACCTCGGAGCTGAATACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

| Protein Sequence: | >RC208560 protein sequence |
| :---: | :---: |
|  | Red=Cloning site Green=Tags(s) |
|  | MEKDGLCRADQQYECVAEIGEGAYGKVFKARDLKNGGRFVALKRVRVQTGEEGMPLSTIREVAVLRHLET |
|  | FEHPNVVRLFDVCTVSRTDRETKLTLVFEHVDQDLTTYLDKVPEPGVPTETIKDMMFQLLRGLDFLHSHR |
|  | VVHRDLKPQNILVTSSGQIKLADFGLARIYSFOMALTSVVVTLWYRAPEVLLQSSYATPVDLWSVGCIFA |
|  | EMFRRKPLFRGSSDVDQLGKILDVIGLPGEEDWPRDVALPRQAFHSKSAQPIEKFVTDIDELGKDLLLKC |
|  | LTFNPAKRISAYSALSHPYFQDLERCKENLDSHLPPSQNTSELNTA |
|  | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Chromatograms: | https://cdn.origene.com/chromatograms/mk6125 a11.zip |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | Cloring stes used for ORF Shutling: |
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| ACCN: | NM_001259 |
| ORF Size: | 978 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 $5,000 \times g$ for 5 min. <br> 2. Carefully open the tube and add 100 ul of sterile water to dissolve the DNA. <br> 3. Close the tube and incubate for 10 minutes at room temperature. <br> 4. Briefly vortex the tube and then do a quick spin (less than 5000 xg ) to concentrate the liquid <br> at the bottom. |
| :--- | :--- |
| 5. Store the suspended plasmid at $-20^{\circ} \mathrm{C}$. The DNA is stable for at least one year from date of |  |
| shipping when stored at $-20^{\circ} \mathrm{C}$. |  |

## Product images:



Circular map for RC208560


Western blot validation of overexpression lysate (Cat\# [LY428809]) using anti-DDK antibody (Cat\# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227978] using transfection reagent MegaTran 2.0 (Cat\# [TT210002]).


Coomassie blue staining of purified CDK6 protein (Cat\# [TP308560]). The protein was produced from HEK293T cells transfected with CDK6 cDNA clone (Cat\# RC208560) using MegaTran 2.0 (Cat\# [TT210002]).

