

Product datasheet for **RR217628**

Cdk13 (NM_001271296) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk13 (NM_001271296) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cdk13
Synonyms: Cdc2l5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217628 representing NM_001271296
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGCCGAGCAGCTCGGACACGGCGCTGGGGGAGGCGGGGCTGAGCTGGGCCGAGAAGAAGTTGGAGG
AGCGCCGAAGCGGAGGGCATTCTGTCCCTCAGCAGCCGCGCTGCTGTTGCCCTCTGCAGCCGCA
GCTCCTGCAACCGCCGCCCGCCCGCTCTGCTTCTCTGGTGCCCGGGCGGGCCGCCCGCA
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GAGGCAAGAGGGCCCCGGAGGGCGGCAGAAGCGGCGCCGCGGGCCCCGCGCCGGCAGGAGGCGGAGAA
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ACCCCGCTGGTGGAGTATGAGGATGTAAGCTCCAGTCCGAGCAGGGGCTGCTGCTGGGGGCGCCAGCG
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GAGCGCCATCGCGAGCACCGGCGGGGACGGGACGCGCAGTGGCAGCGAGGCCCTCAAAGCCCCGACGCC
GCCACGGACACAGCGGCGAGGAGCGGGCGAGGCCGCCAAGAGCGGCAGTAGCAGCAGCAGCGGGCGCCG
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GGTGTCCACAGGGCCTCGCAGAGCCTCCGGAGCCGCAAGTCCCCAGCCGGCGGGAGGTGGCAGCAGT
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CAGTCCCTACAGTCCAGTACTCAGACGATCTGCCAAATCCGAAGCAGAAGCCCCATTTCATCTAGGCAC
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TCTAGTGTCTTCTACACCTACCAAGGGAACACAGAAACTGGTGCCAGTGTCTCACAGACAAACCATGTGA



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AGGAAGTCAAAAACTTAAACTGAGCATGCACCTTCTCCTTCAAGTGGTGGGACTGTCAAAAGTGACAA
GACAAAAACAAAGCCACCGCTTCAAGTAACAAAAGTAGACAATAATTTGATTGTAGAGAAAAGCTACCAAG
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CAGACTTCTGCCTTACCAGATCATTTCCAGTTCAGTAGCTGGATACGGAGACATTTACCTCAATGCTG
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AGGGTTACCATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217628 representing NM_001271296
 Red=Cloning site Green=Tags(s)

MPSSSDTALGGGGGLSWAEKKLEERRKRRRFLSPQQPPLLLPLLQPQLLQPPPPPPPLFLAAPGAAAA
 AAAAAASSSCFSPGPPELVKRLARGKRRPGGRQKRRRGPRAQEAERKRVFSLPQPQQDGGGGASSGGGV
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 ERHREHRRRDGTRSGSEASKARSRHGHSGEERAEAAKSGSSSSSGRRKSASATSSSSSRKDRDLKAHR
 SRTKSSKEPPSAYKEPPKAYREDKSEPKAYRRRQRLSPLGGRDESPVSHRASQSLRSRKSPPAGGGSS
 PYSRRLPRSPSPYSRRRSPYSRHSSYERGGDVSPSPYSSSSWRRSRSPYSPVLRSSAKSRSRSPYSSRH
 SRSRSRHRLSRSRSRHSSI SPSTLTLKSSLAELNKNKKARAAEAARAAEAAKAAEAAKAAEAAKAAKA
 SSVSTPTKNGTETGASVSQTNHVKEVKLKTETHAPSPSSGGTVKSDKTTKPPLQVTKVDNLLIVEKATK
 KTVVGKESKPAATKEEPVSTKEKTKPLTPSVGAKEKEQHVALVTSTLPLPLPMLPEDKADSLRGNIS
 VKAVKKEVEKKLRCLLADLPLPELPGDDLKSPPEEKTATQLHSKRRPKICGPRYGEIKEKDIDWGKR
 CVDKFDIIGIIGEGTYGQYKARDKDTGEMVALKKVRLDNEKEGFPITAIKILRQLTHQSIINMKEI
 VTDKEDALDFKKDKGAFYLVFEYMDHLMGLLESLVHFNENHIKSFMRQLMEGLDYCHKKNFLHRDIK
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 KPFIQANQELAQLELISRICGSPCAVWPVVIKLPYFNTMKPKQYRKLREEVFIPAAALDLFDYMLA
 LDPSKRCTAEQALQCEFLRDVEPSKMPPDLPLWQDCHELWSKRRRQKQMGMTDDLSTIKAPRKDSLGL
 LDDSRSTPQGVLPQAQLKSNSSSGAPGKQTDPTPQEQSSKSLGGVQPSQSIQPKVETDAAQAAVQS
 AFAVLLTQLIKAQQSKQKDALLEERENGSGHDAPVQLRPPPEPSTPASGQDDL IQHQDRRIELTPEPER
 PRILPDPQRPPEPEPPVTEEDLDYRTENQHGP TSSSLTDPHAGVKAALLQLLAQHQPQDDPKREGGI
 DYSTGDTYVPSDDYKDNFGASFSAAPYVSDGLGSSSAAAPLEARSFIGNSDIQSLDNYSTASSHTGGPP
 QTSAFTESFPSSVAGYGD IYLNAGPMLFSGDKDRFEYSHGPITVLTNSSDPSTGPESTHPLPAKIHNYN
 YGGLNQLQENPGGSLMHGQTWTSPAQGGYSGYGRGHISTSAGRGRGRGLPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

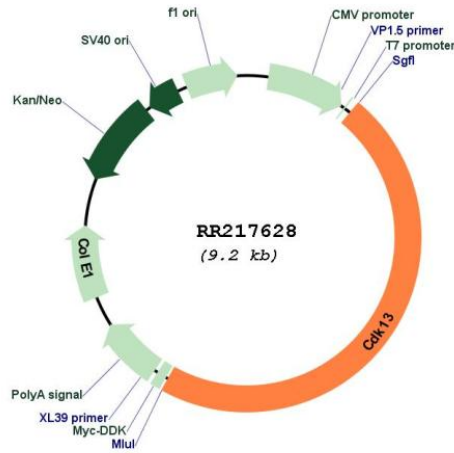
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001271296

ORF Size: 4353 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_001271296.1](#), [NP_001258225.1](#)

RefSeq Size: 5944 bp

RefSeq ORF: 4356 bp

Locus ID: 306998

Cytogenetics: 17q11

MW: 158 kDa