

Product datasheet for **RR209585**

Cep295nl (NM_001017481) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep295nl (NM_001017481) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep295nl
Synonyms:	Ddc8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209585 representing NM_001017481
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAGAGACACAGAGCGAGCAGCTCAGCTGAGCCCCCTCTCCGAAGATGAAGCCTTGGTTTTGAGGC
 AGAAGCCTTCAGAGACGCAATCCCCAGAGGAGGACACTGTCACTCTGCAGCAGTGGAAAGCACGGCAGCT
 GCAGCGCCTGGCTGAGGAGTTGAAGGCAGAGTGGCAGGAGGCCCGGCTGCAGCAGGTCCGACAAGCCGAA
 CGCCTCTACTTGGCCACCTGTTGGATGAGGCAGCAGAGCGGCCGTGGGAAGCGACTCTGGCTTGATG
 AACAGAACCAGAGAGGAACACAAAACACAAAGGGCTAAGGAGAGAAACCGAGCAGCCTACAGAGAGGA
 GAAGGGCCCGCAGGAGGAGCACTCCAGACATCACCCCAAGTCCCGGAAAAAGGCATCGTGCACGGAGAGA
 CGGACTTCTACCAAGCCCGTGGCCCAACCCCTGTTGAGAAGGGTAAAGGGAGACGGGTGTCTTCAAGTA
 AGGGCCGTGGTGGATACCAGCCCTTGGGCCCTCGGGTGACCAGAAGGGCAGACATGGGGAAGTTCAACCC
 ATTCTTTGATGGTATTAGAGAACTGAATTTCGGGAAGAAGTACAGAAGGAATTCTTCGGGAGGGGAGG
 CGGCCCTCATCAAGGGGACTCGACTTGCTCACAACTCAGGGACCAGAGTCTGCAAGGCAAGCAACAG
 TCCTAGAAGAATCCTTGCCCTCGACCACCTTCAAACAAGGGGCTGAAGCCCAGGGGCACCCAAGCAA
 GTACAACAACAGGAATCAGTGGCACAAGAAATTTGAATCTACCTTCGAGGAATTGTTAACACAAATAGG
 AAGCTGAAGAAACATCTGAATTTGCACCTTGAACAGAGGCTCAAGGCAGACCAGAATCCAGATGAGCAAC
 AGAGCTACTCAGAGATTCGGAGTGAGAACTTTGGCACCTTGAGAGAGGAGGAGAAACGAGGAGCCAGA
 AACCACCAAGGAGTCTGAGAGCCCAACAGAGGTGGAGACTTCTGAGATGTGGTCCAAAGCCAATCTGAAA
 CAGATACTGAGTGACACGGAGTACCCAGGTACCAACAATGGCAAAGTGCCATTAAAGAATGAAAGCC
 TAGTGCCCTGTTAAGGCAGGAACATCTAGAGAACAAGACGACTTGTCTCACTCAGTCCAGAGTCGGTACA
 GGAGACACCCACATCACCTGTGGTGGAGGACGATAGTCTCAAGCCTTACCTGCAGAAACAGGCAGACTCT
 GTATCAAGCTGGATGGCTTTGAGGCAAAAGCAGAAGGCAGAGTTGGAGCAGAGAAGGCAAAAGACACTTT
 TGGAGCTGACAGAACACCCCAACATGAGCTTGGAGATCCATTACAAGGCTGAGCTGGAGGAAGAACGCAG
 GGAGCGTAGACGGATGCGTTTGGCTCTCCTTAAATCGTATCCACAGGGGTCCAGGCCCGCCTGTTGAA
 CGAAATATTCTCTGGACAACGGTCTTCTCGATGAGGACAACAGAACCAGATGATCCGTGACCTTCAAC
 AGCAGATCTTAGAGCAAAACAAGATACACCAGGAGTTTTTGGAAAAGCCAGGAAACGCTTGCAAGAGTT
 TCAGAAAACATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209585 representing NM_001017481
 Red=Cloning site Green=Tags(s)

MQRDTERAAQLSPSSEDEALVLRQKPSETQSPEEDTVTLQQWKARQLQRLAEELKAEWQEARLQQVRQAE
 RLYLAHLLDEAAERAVGSDSGLDEQNQRGTPKHTRAKERNRAAYREEKGRREEHSRHPKSRKKASCTER
 RTSTKARGPTPVEKGKGRRVSSSKGRGGYQPLGPRVTRRADMGKFNPFDFGIRETEFGEEVQKEFFREG
 RPSSKGTRLAHLNRDQSLQKGATVLEESLPLDHTFKQGAEAQGHPSKYNNRNQWHKEIESTFEELFNTNR
 KLKKHLNLHLEQRLKADQNPDEQQSYSEIRSENFGLREEENTEPEPTTKESESPTEVETSEMWSKANLK
 QILSDTEYPRYQQMAKCPKKNESLVPVKAGTSREQDDLFSLSPEVQETPTSPVVEDDSLKPYLQKQADS
 VSSWMALRQKQKAELEQRRQKTLLLELTHPNMSLEIHYKAELEERRRRMRLLALLKSYPTGVQAPPVE
 RNIPLDNGLLDEDKQNQMIRDLQQQILEQNKIHQEFLEKARKRLQEFQKTF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001017481

ORF Size: 1623 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_001017481.1](#), [NP_001017481.1](#)

RefSeq Size: 1809 bp

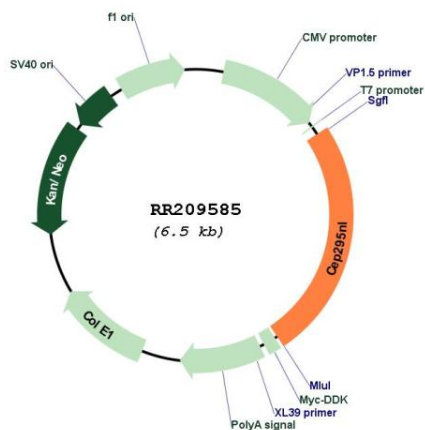
RefSeq ORF: 1626 bp

Locus ID: 498028

Cytogenetics: 10q32.3

MW: 63 kDa

Product images:



Circular map for RR209585