

Product datasheet for **RR209495**

Cep95 (NM_001013862) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep95 (NM_001013862) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep95
Synonyms:	Ccdc45; RGD1309655
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR209495 representing NM_001013862
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCAGCTCAGAGGCTGAATGGGTAACAATTGCCAATAACCTTCTTTTAAATGTCACATACACCTGA
GGATACACAACTTCAAGACTGTGATGCTAATGTTTTATTGCCCTTTATCAATCCATTTTGGGAGAAAA
GGTACCAGACCTCATAGTTATTTCCAGGAGTCAAGAAGACAACGCCACAAATGTGAAGCTGTAATCGAT
TCACTAGCTTTGGATTACCTCCAGGTGAGCCTGTCTCATATAACAGGAGAGAACATAGTAAAGGGGACA
AGGGATCCATAAAGAATCTCTAGAAATATTTGATGGATTGCTGGAGTATCTGACAGAGCACATCAGTGA
ATCGTCTCACAACAGAAGTGCATCTGAACAGTTTTGTAGAGACTCTCGTGGAGAAGAACCGGTGGAAGAG
CTAGAAAGTGCCAAGGAGTCATCTGGAGAAAAGTTCTTTTATGAGGTGCTCCTCTCACCCGATGCTT
TGGGCCCCACCTGGGATGAAGAGGAAGCTGAGTCCACAGGTGAAATAATCAGGCTCGGAGACACTGCACA
CACCTTCTCCCTAAGGAGTAATGGTGGCCAGAATTCTATGAATTTCTGGTCTAGAAAAGCCTCAACTTCA
GGCATTAGGCCGCTGAGGAAATGTTGAACCTGGCTTATCAAGTTTCTGTTCAGAATGGGCCAACTT
GTGAAGAAGAAGAAGCTCCTCCTATACACATGGCTACGAGTGCCAGGAAGCTCGGCGAGCCGATTGAGC
CGCCATTCCTTACATCTCCTACCACCTCCTGAGCCGAGAGCGCCTTGTCCTCATAGGCAAGGAATAC
CTCTGCTCAGGTCACTACTTGTCTACGCCAGCTTCTGGAGAGCACAGGGCACCTTCTGTGGAACCAAGGTG
ATGTTTTCTTAACCTTACCTTATGTAAGATGATGATCAGGAACAGATCTAGATCTGACTGAAAGTTC
CAAGACAAGGAGGCTTTGAAAGGAGAAAGAAGCGAAAACAGAGCTGTGGCCCCCTCAGAGTATCCACCT
TTCCCTCAGAAGGCCAGGAAGCGACTAACAGAACAGGAAGTGCATGCCATGTCAGAGAACTCTCTCAGC
GGCTCTCCGAAGTACTGGATGTTAAAACTGCACTGGCGGATCGAGCGACAGGCGAGGCTCATGGTAA
AGATGGCGGAGCTGGAGATGAAGAGGCGCACAGTGCAAAACGAGGAGATGCTATCGCAGCACAGTGACAGC
GTCATGGAGTACGGACCAAGGAAGCCGAGGCCAGGGTTTTCTATGCACAGAAAGGCACCTTACAGGTCCC
ATTCCTGTGCGCATCTTCAGTGAACAAACACAGACAGTCAGAGAAAGAGAGAAAAAGCAACACAAATC
TAAAGGGACGGACACACACCATTTCCAAGCAAAGGCATTAAGTGAAGCATTTGAACGGGAAGTAAAGAAA
AACAAAGTTCAAGAGAACGTTGGACTTCGAGGGATAAGGGAGGAGGAAGAGGAAACAGAAAAGTCATACA
AAGAAGCTTTGCTAAAGGAAGTACAAAACAGAGTCAGGTCCAGAAAATTTACTCCAGAAAAGTGCAGC
TCCGACTCCAAAAGGTGGTCTCCTGAAGTCAAGCAAAGCATCTCCGATGAAAGTAAATGAACACAGTCTG
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GGACGAAATAGAAGAAGCTCTGAGAAGGCACGACCTCCTTACCGCTCTTGTCAGAAGAAATATGACCAT
AACAAAGAGACTGCAAGACTTCAAGGACCGAATTCACAAACAAAGGTTAACCCAGTCAAAGATAAAAGAAA
ATCGTCATCAAAGTGTTCGTGCCGAAAATATTACGACGACTACAGAGTTCAGTTACGTGCAAAAATGAT
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AGACTACGAGACCTAAGAACTACGCCAAGGAGAAACGACGCAAGAAAGAGACAGCACCAGAATGAGC
TGGACTCGATGGAAGTACTATAAGGACCAAGTCTCATTGCTGGCAGAGGCCATCTCACAGGGACGCCA
GGAAGTCAAAGCAAGACAGAGATCCAGGCTCAGACATTACACAAGGTGAAGAGGGAGCTGAGAGCAAAG
ATGGAGAAGGAAATTGAGCAGCTGCAGCACTTGATAACGCAGAGCGACGACGATGCGTTCTTCCGGGAAC
TAGAAGCTGAGCGCTTCAAAGCACGGCTGCAGCTGGCTTCCTTCCAGTACAGTAAAAATCCTTTCCCAAG
AGGCCAACTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209495 representing NM_001013862
 Red=Cloning site Green=Tags(s)

MASSEAEWVTIANLLFKCHILRIHKLQDCDANVFIALYQSILGEKVPDLIVIPRSQEDNAHNVQAVID
 SLALDYLQVSLSHITGENIVKGDKGSIKNLLIFDGLLEYL TEHISESSHNRSAEQFCRDSRGEEPVEE
 LESAKESSWRKVPMRCSFSPDALGPTWDEEEAESTGEIIRLGDTAHTFSLRSNGAQNSMNFWSRKASTS
 GIRPPEEMLNPGLSSFLFKNGPTCEEEAAPPIMATSARKLGEPIRAAIPLHPPYHPPEPRAPCPIGKEY
 LCSGHYLSTPASGEHRAPSVEPGDVFLTSTLCKDDQETDLDL TESSKTRRLSKGERSENRAVAPSEYPP
 FPQKARKRLTEQELHAMSEKLSQRLSELDWMLKTALGDRATGEAHGKDGGAGDEEAHSANEMLSQHSDS
 VMEYGPRKPRPGFSMHRKAPYRSHSLSPSSVKNHRQSEKERKKQHKSOGTDTHHFQAKALTEAFERELRK
 NKVQENVGLRGIREEEETEKSYPEAFAGTTKQSQVQKIYSRKTAAPTPKGGLLKSSKASPMKVNEHSL
 LSLMLEQFPFLYVSDPTLTMMWKQMAQVEQLRREAQRENRSKKKLQDEIEEALRRHDLTALVKKEYDH
 NKRLQDFKDRIHKQRLTQSKIKENRHQSVRARKYYDDYRVQLRAKMMKMRTREEMIFKKLFEGLQIQKQ
 RLRLDLRYAKEKRSEKQHQNELDSMENYYKDQFSLLAETISQGRQELKARQSQATLHKVKRELRAK
 MEKEIEQLQHLITQSDDDAFFRELEAERFKARLQLASFQYSKNPFPRGQTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



ACCN:	NM_001013862
ORF Size:	2463 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_001013862.1](#), [NP_001013884.1](#)

RefSeq Size: 3016 bp

RefSeq ORF: 2466 bp

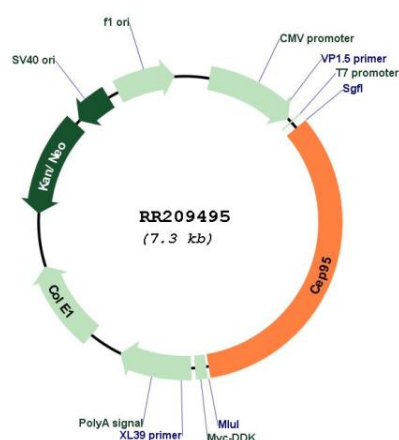
Locus ID: 287766

UniProt ID: [Q5XI03](#)

Cytogenetics: 10q32.1

MW: 94.5 kDa

Product images:



Circular map for RR209495