

## Product datasheet for **RR217064**

### Cep76 (NM\_001100514) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep76 (NM_001100514) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep76
Synonyms:	CSG11; RGD1305183
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR217064 representing NM\_001100514  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGCTGCCTCCGGAGAAAGCCTCTGAGCTGAAGCAGCTCATCCACCAGCAGCTGAGCAAGATGGATG  
TCCATGGCAGAATAAGAGAAATTCCTGCGGAGACTATACGAGAAGAATTAGCACCTGACCAACAACATTT  
ATCAACAGAAAGATCTGATCAAAGCTCTCAGACGTCGAGGAATCATTGATGATGTAATGAAAGAGCTTAAT  
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CAACATTAATAAAAACTAACATTGACCCAGCACGGAGGTATCTTTACCTTCAGGTTTTGGGTGAAAAAGC  
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CACTATCGAACACGCGTTTTGCTCAAAGCCTGTGCCCTGCGCTTGGCAGCCTGATTTTCACGACGGTT  
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AATAAGTGATCCAATTCACATGGTCTAATCAAACAGACATATTTGGTGAGACCACTTTAGTTGCATCC  
TATTTCCCTGGAATGGAGATCTGTTCTGGGCTCAGAAAAATGGAGTGACCAGCCTGACTGTGGAGCTCATGG  
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TCGAGCTGGACGACTTCTGGATACTCCGAGACAAGCGGCTCGATTTGTCAATGCCTTGGTTATGAGCGA  
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TGTGCGCTCCACGATTGACGCGTCAGCCACGAGCAATGAAATGAAATGCAGCTAAGGCTGCTGGTGTG  
GGAACACAGAAAGGACCTCGGCCTCACTACTGTCTGGGAAGACCAGCTCTCTATCTTTTATCACCAGCT  
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GGAGGGCTGTACCTGATGGCCACACATTTAAAGGGTCCCATACATTTTGTGTACAGAAATGCAAGGCG  
TGCATTTGCCACTTGTCTTCGGTCTCCTTTTTGTGAAGAAATAATCTGTTGCCGTGGAGACCAGGTGCGA  
CTGGCAGTTCGTGTTGAGTGTACCTACCCTGAGTCTGCGTGTGCTGTTTGGATCATGTTTGCTTGTA  
AATATCGCTCGGTATTA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217064 representing NM\_001100514  
 Red=Cloning site Green=Tags(s)

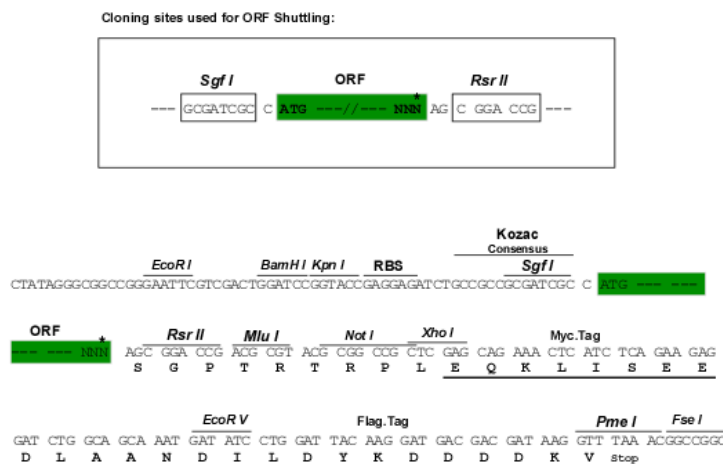
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MSLPPEKASELKQLIHQQLSKMDVHGRIREILAETIREELAPDQQHLSTEDLIKALRRRGIIDDVMKELN
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HYRNQRFRRSKVPVPCACEPDFHDFLLEVHRESLGDGTRMADSTMLSISDPIHMLVIKTDIFGETTLVAS
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APVIGGGGKQEQWCTLLAFLCRNKGDCEHDHANLLCSLLLGYLEAFVVCVGTKAKGAPHAWMTCGTDGTI
MFWESLTGHRYIHKPTNPDEPLAEQPKPLYPYRTVGCVFNHQTFLGNCQPSDAVETCVFDLNDESKWKP
MSEEAIKSVCAPGATTSLPPFPPLCASTIDASATSNEIEMQLRLLVSEHRKDLGLTTVWEDQLSYLLSPA
LASYEFERTTSSISAGNEEFQDAIRRAVPDGHTEKGFPIHFVYRNARRAFATCLRSPFCEEIICCRGDQVR
LAVRVRVFTYPESACAVWIMFACKYRSVL
```

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-RsrII

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001100514

**ORF Size:** 1977 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\\_001100514.1](#), [NP\\_001093984.1](#)

**RefSeq Size:** 2724 bp

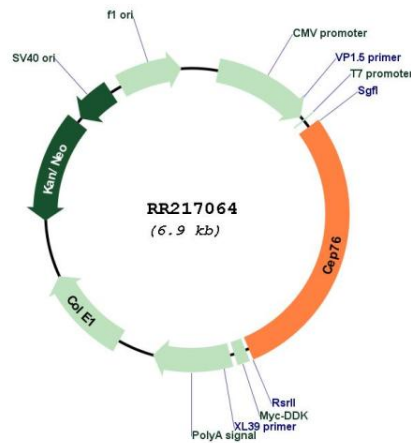
**RefSeq ORF:** 1980 bp

**Locus ID:** 291540

**Cytogenetics:** 18q12.1

**MW:** 74.2 kDa

**Product images:**



Circular map for RR217064