

## Product datasheet for **RC205910**

### DEPDC7 (NM\_001077242) Human Tagged ORF Clone

#### Product data:

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | DEPDC7 (NM_001077242) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | DEPDC7                                       |
| Synonyms:                 | dj85M6.4; TR2                                |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-Entry (PS100001)                       |
| E. coli Selection:        | Kanamycin (25 ug/mL)                         |



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**ORF Nucleotide Sequence:**

>RC205910 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGCCACCGTGCAGGAGAAGGCTGCTGCGCTGAACCTCTCGGCTCTCCACAGCCCCGCGCACAGGCCTC  
 CGGGTTTCAGTGTAGCTCAGAAGCCATTTGGAGCCACGTATGTATGGAGCAGCATATAAACTCTTCA  
 AACACAAGTGAAGTGAAAAACGAAGGCACCGTTTAAACGACATAATGACTGCTTTGTTGGTTCAGAA  
 GCTGTGGATGTCATTTTTCTCACCTAATTCAGAATAAGTATTTGGTGATGTAGATATTCCTCGAGCCA  
 AAGTGGTGAGAGTGTCAAGCGCTTATGGACTACAAAGTATTTGAAGCAGTTCCAACCAAAGTCTTTGG  
 AAAAGACAAAAACCTACATTTGAAGATAGTAGTTGCAGCCTTTATAGATTCACCACAATACCTAACCA  
 GACAGTCAGTTAGGCAAGAGAACAACTATTCACCTGCCAGGTATGCAGATGCATTATTTAAGTCAT  
 CCGATATCAGATCAGCCAGTTAGAGGACCTGTGGGAAATCTGAGTTTAAAGCCAGCCAACTCCCTCA  
 TGTAATATCTCTGCAACCTTGCTCCACAAGTTATTAATGAAGTGTGGCAAGAAGAAACAATTGGCGCT  
 CTAACAACCTTAGACCTTCCACTTCTGACTCCTTACTGAAACAGCAAGAGGCTGTACCTAAAATTC  
 CTCAACCTAAGAGGCAGTCCACCATGGTCAACAGCAGTAATATCTGGATCGAGGGATTCTCAAGGCTTA  
 TAGTGACTCTCAGGAAGATGAGTGGCTCTCGGCAGCAATTGACTGTTTAGAATACCTTCCAGACCAAATG  
 GTGGTGGAAATAAGCAGAAGCTTCTGAGCAACCAGACCGAACAGACTTAGTGAAGAAGTCTGTTTG  
 ATGCCATTGGCAGATATTACAGTAGTAGGGAACCTCTGTTAAATCACTTATCTGACGTTCAATGGAAT  
 TGCAGAACTCTTAGTGAATGGGAAGACGGAATAGCTTTAGAAGCTACCCAGCTCCTTCTAAAGCTTTTA  
 GATTTCCAAAATAGAGAAGAATTTAGAAGACTACTGTATTTATGCGCTGTTGCAGCAAATCCTTCTGAGT  
 TTAATTACAGAAAGAAAGTGACAACCGAATGGTTGTGAAAAGGATATTCTCAAAAGCTATTGTTGACAA  
 TAAAAATTTATCCAAAGGCAAAACAGATCTTCTGGTACTCTTTTAAATGGATCATCAGAAAGATGTTTT  
 AAGATTCTGGAACCTACATAAAATTGAAGTGTAAAGCTTATGGCCATACAGAACGGAAGAGATCCAA  
 ATAGAGATGCAGGATATATTTATTGCCAGAGAATTGATCAACGTGACTATTCCAACAATATAGAGAAGAC  
 AACCAAAGATGAGCTGTTGAATTTACTAAAACTCTTGATGAGGATTCAAACTTTCTGCCAAAGAGAAG  
 AAAAAATTGCTAGGTCAATTCTATAAGTGTACCCAGACATCTTTATTGAGCATTTTGGAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC205910 protein sequence  
 Red=Cloning site Green=Tags(s)

MATVQEKAALNLSALHSPAHRPPGFSVAQKPFGATYVWSSIINTLQTQVEVKKRRHRLKRHND CFVGSE  
 AVDVIFSHLIQNKYFGDVIDIPRAKVVRVCQALMDYKVFEAVPTKVFGKDKKPTFEDSSCSLYRFTTIPNQ  
 DSQLGKENKLYSPARYADALFKSSDIRSASLEDLWENLSLKPANSPHVNISATLSPQVINEVWQEETIGR  
 LLQLVDLPDLLSKQAEVPIQPKRQSTMVNSSNYLDRGILKAYSDSQEDWL SAAIDCLEYLPDQM  
 VVEISRSFPEQPDRTDLVKELFDAIGRYSSREPLLNHLSDVHNGIAELLVNGKTEIALEATQLLLKLL  
 DFQNRREEFRLLYFMAVAANPSEFKLQKESDNRMVVKRIFSKAIVDNKNLSKGKTDLLVFLMDHQKDV  
 KIPGTLHKIVSVKLMAIQNRDPNRDAGYIYCQRIDQRDYSNNIEKTTKDELLNLLKTLDEDSKLSAKEK  
 KKLLGQFYKCHPDIFIEHFGD

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6550\\_e06.zip](https://cdn.origene.com/chromatograms/mk6550_e06.zip)

**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



ACCN: NM\_001077242

ORF Size: 1533 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_001077242.1](#), [NP\\_001070710.1](#)

RefSeq Size: 1774 bp

RefSeq ORF: 1536 bp

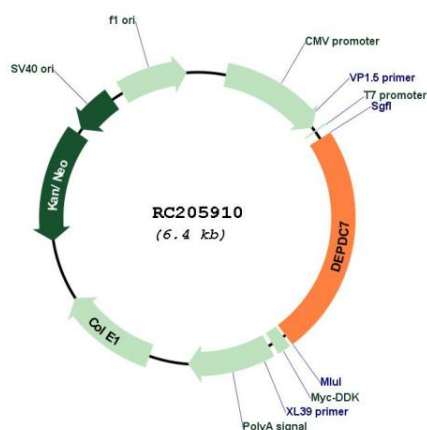
Locus ID: 91614

UniProt ID: Q96QD5

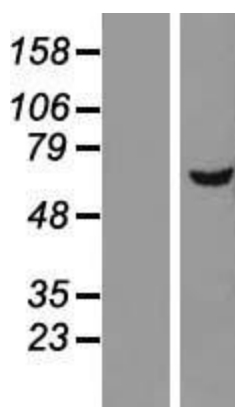
Cytogenetics: 11p13

MW: 58.3 kDa

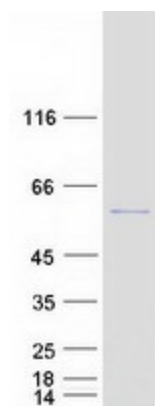
## Product images:



Circular map for RC205910



Western blot validation of overexpression lysate (Cat# [LY421390]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205910 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DEPDC7 protein (Cat# [TP305910]). The protein was produced from HEK293T cells transfected with DEPDC7 cDNA clone (Cat# RC205910) using MegaTran 2.0 (Cat# [TT210002]).