

## Product datasheet for **RG217008**

### DEPDC7 (NM\_139160) Human Tagged ORF Clone

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| Product Type:             | Expression Plasmids     |
| Tag:                      | TurboGFP                |
| Symbol:                   | DEPDC7                  |
| Synonyms:                 | dJ85M6.4; TR2           |
| Mammalian Cell Selection: | Neomycin                |
| Vector:                   | pCMV6-AC-GFP (PS100010) |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |



**ORF Nucleotide Sequence:** >RG217008 representing NM\_139160  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGAGGTTTATGTGAGTTCTACTGGCAGGAATTTGGCATAAAAGGTTTCAGTGTAGCTCAGAAGCCAT  
 TTGGAGCCACGTATGTATGGAGCAGCATCAAAACACTCTTCAAACACAAGTGGAAGTGAAAAACGAAG  
 GCACCGTTTAAAACGACATAATGACTGCTTTGTTGGTTCAGAAGCTGTGGATGTCATTTTTCTCACCTA  
 ATTCAGAATAAGTATTTTGGTGATGTAGATATTCCTCGAGCCAAAGTGGTGAGAGTGTGTCAAGCGCTTA  
 TGGACTACAAAGTATTTGAAGCAGTTCCAACCAAGTCTTTGGAAAAGACAAAAACCTACATTTGAAGA  
 TAGTAGTTGCAGCCTTTATAGATTACCAACAATACCTAACCAGACAGTCAGTTAGGCAAGAGAGAACAAA  
 CTATATTCACCTGCCAGGTATGCAGATGCATTATTTAAGTCATCCGATATCAGATCAGCCAGTTTAGAGG  
 ACCTGTGGGAAAATCTGAGTTTAAAGCCTGCCAACTCCCTCATGTAATATCTCTGCAACCTTGTCTCC  
 ACAAGTTATTAATGAAGTGTGGCAAGAAGAAACAATTGGGCGTCTACTACAACCTGTAGACCTTCCACTT  
 CTTGACTCCTTACTGAAACAGCAAGAGGCTGTACCTAAAAATTCCTCAACCTAAGAGGCAGTCCACCATGG  
 TCAACAGCAGTAACATCTGGATCGAGGGATTCTCAAGGCTTATAGTGACTCTCAGGAAGATGAGTGGCT  
 CTCGGCAGCAATTGACTGTTTGAATACCTTCCAGACCAATGGTGGTGAAAATAGCAGAAAGCTTTCCT  
 GAGCAACCAGACCGAACAGACTTAGTGAAGAAGCTTCTGTTTATGATGCCATTGGCAGATATTACAGTAGTA  
 GGGAACCTCTGTTAAATCACTTATCTGACGTTTATAATGGAATTGCAGAACTCTTAGTGAATGGGAAGAC  
 GGAAATAGCTTTAGAAGCTACCCAGCTCCTTCTAAAGCTTTTAGATTTCCAAAATAGAGAAGAAATTTAGA  
 AGACTACTGTATTTATGGCTGTTGCAGCAATCCTTCTGAGTTTAAATTACAGAAAGAAAGTGACAACC  
 GAATGGTTGTGAAAAGGATATTCTCAAAGCTATTGTTGACAATAAAAAATTTATCCAAAGGCAAAACAGA  
 TCTTCTGGTACTCTTTTAAATGGATCATCAGAAAGATGTTTTTAAGATTCTGGAACTCTACATAAAATT  
 GTAAGTGTTAAGCTTATGGCCATACAGAACGGAAGAGATCCAAATAGAGATGCAGGATATATTTATTGCC  
 AGAGAATTGATCAACGTGACTATTCCAACAATACAGAGAAGACAACCAAGATGAGCTGTTGAATTTACT  
 AAAAATCTTGATGAGGATTCAAACCTTTCTGCCAAAGAGAAGAAAAAATGCTAGGTCAATTCTATAAG  
 TGTACCCAGACATCTTTATTGAGCATTTTGGAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG217008 representing NM\_139160  
 Red=Cloning site Green=Tags(s)

MRGLCEFYWQEFGIKGFSAQKPFGATYVWSSIINTLQTQVEVKKRRHRLKRHNDCFVGEAVDVFISHL  
 IQNKYFGDVIDIPRAKVVRVCQALMDYKVFEAVPTKVFGKDKKPTFEDSSCSLYRFTTIPNQDSQLGKENK  
 LYSPARYADALFKSSDIRSASLEDLWENLSLKPANSPHVNISATLSPQVINEVWQEETIGRLLQLVDLPL  
 LDSELLKQGEAVPKIPQPKRQSTMVNSSNYLDRGILKAYSQSDQDEWLAAIDCLEYLPDQMVEISRSFP  
 EQPDRDVLKELLFDAIGRYSSREPLNLHLSVHNGIAELLVNGKTEIALEATQLLLKLLDFQNREEFR  
 RLLYFMAVAANPSEFKLQKESDNRMVVKRIFSKAIVDNKNLSKGKTDLLVFLMDHQKDVFKIPGTLHKI  
 VSVKLMAIQNRDPNRDAGYIYCQRIDQRDYSNNTEKTTKDELLNLLKTLDDESKLSAKEKKLLGQFYK  
 CHPDIFIEHFGD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_139160

**ORF Size:** 1506 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\\_139160.2](#) [NP\\_631899.2](#)

**RefSeq Size:** 2013 bp

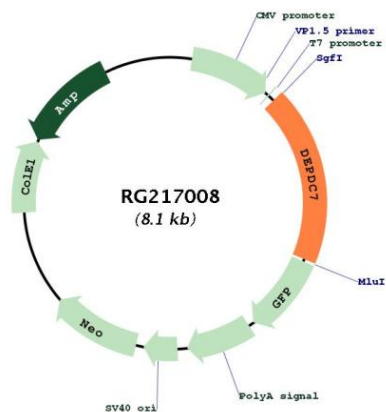
RefSeq ORF: 1509 bp

Locus ID: 91614

UniProt ID: [Q96QD5](#)

Cytogenetics: 11p13

### Product images:



Circular map for RG217008