

Product datasheet for **RG205910**

DEPDC7 (NM_001077242) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEPDC7 (NM_001077242) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DEPDC7
Synonyms:	dj85M6.4; TR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205910 representing NM_001077242
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCCACCGTGCAGGAGAAGGCTGCTGCGCTGAACCTCTCGGCTCTCCACAGCCCCGCGCACAGGCCTC
 CGGGTTTCAGTGTAGCTCAGAAGCCATTTGGAGCCACGTATGTATGGAGCAGCATATAAACTCTTCA
 AACACAAGTGAAGTGAAAAACGAAGGCACCGTTTAAACGACATAATGACTGCTTTGTTGGTTCAGAA
 GCTGTGGATGTCATTTTTCTCACCTAATTCAGAATAAGTATTTGGTGATGTAGATATTCCTCGAGCCA
 AAGTGGTGAGAGTGTGTCAAGCGCTTATGGACTACAAAGTATTTGAAGCAGTTCCAACCAAGTCTTTGG
 AAAAGACAAAAACCTACATTTGAAGATAGTAGTTGCAGCCTTTATAGATTCACCACAATACCTAACCA
 GACAGTCAGTTAGGCAAGAGAACAACTATATTCACCTGCCAGGTATGCAGATGCATTATTTAAGTCAT
 CCGATATCAGATCAGCCAGTTTAGAGGACCTGTGGGAAAATCTGAGTTTAAAGCCAGCCAACCTCCCTCA
 TGTAATATCTCTGCAACCTTGCTCCACAAGTTATTAATGAAGTGTGGCAAGAGAAACAATTGGGCGT
 CTACTACAACTTTAGACCTTCCACTTCTTGACTCCTTACTGAAACAGCAAGAGGCTGTACCTAAAATTC
 CTCAACCTAAGAGGCAGTCCACCATGGTCAACAGCAGTAACTATCTGGATCGAGGGATTCTCAAGGCTTA
 TAGTGACTCTCAGGAAGATGAGTGGCTCTCGGCAGCAATTGACTGTTTAGAATACCTTCCAGACCAATG
 GTGGTGGAAATAAGCAGAAGCTTTCCTGAGCAACCAGACCGAACAGACTTAGTGAAGAAGTCTGTTTG
 ATGCCATTGGCAGATATTACAGTAGTAGGGAACCTCTGTTAAATCACTTATCTGACGTTTCAATGGAAT
 TGCAGAACTCTTAGTGAATGGGAAGACGGAATAGCTTTAGAAGCTACCCAGCTCCTTCTAAAGCTTTTA
 GATTTCCAAAATAGAGAAGAATTTAGAAGACTACTGTATTTTATGGCTGTTGCAGCAAATCCTTCTGAGT
 TTAATTTACAGAAAGAAAGTGACAACCGAATGGTTGTGAAAAGGATATTCTCAAAAGCTATTGTTGACAA
 TAAAAATTTATCCAAAGGCAAAACAGATCTTCTGGTACTCTTTTAAATGGATCATCAGAAAGATGTTTTT
 AAGATTCTGGAAGTCTACATAAAATTGAAGTGTAAAGCTTATGGCCATACAGAACGGAAGAGATCCAA
 ATAGAGATGCAGGATATATTTATTGCCAGAGAATTGATCAACGTGACTATTCCAACAATATAGAGAAGAC
 AACCAAGATGAGCTGTTGAATTTACTAAAACTCTTGATGAGGATTCAAACTTTCTGCCAAAGAGAAG
 AAAAAATTGCTAGGTCAATTCTATAAGTGTACCCAGACATCTTTATTGAGCATTTTGGAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205910 representing NM_001077242
 Red=Cloning site Green=Tags(s)

MATVQEKAALNLSALHSPAHRPPGFSVAQKPFATYVWSSIINTLQTQVEVKKRRHRLKRHND CFVGSE
 AVDVIFSHLIQNKYFGDVIDIPRAKVVRVCQALMDYKVFEAVPTKVFGDKKPTFEDSSCSLYRFTTIPNQ
 DSQLGKENKLYSPARYADALFKSSDIRSASLEDLWENLSLKPANSPHVNISATLSPOVINEVWQEETIGR
 LLQLVDLPLLDLLKQAEVPIQPKRQSTMVNSSNYLDRGILKAYSQSQEDELWLSAAIDCLEYLPDQM
 VVEISRSFPEQPDRTDLVKELLFDAIGRYYSSREPLLNHLSDVHNGIAELLVNGKTEIALEATQLLLKLL
 DFQNRREEFRLLYFMAVAANPSEFKLQKESDNRMVVKRIFSKAIVDNKNLSKGKTDLLVFLMDHQKDV
 KIPGTLHKIVSVKLMAIQNGRDPNRDAGYIYCQRIDQRDYSNNIEKTTKDELLNLLKTLDEDSKLSAKEK
 KKLLGQFYKCHPDIFIEHFGD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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

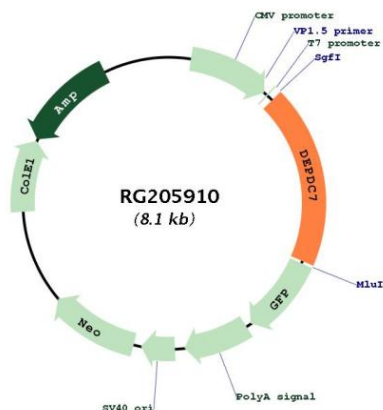
RefSeq ORF: 1536 bp

Locus ID: 91614

UniProt ID: Q96QD5

Cytogenetics: 11p13

Product images:



Circular map for RG205910