

Product datasheet for **RG205701**

DEPDC1B (NM_018369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DEPDC1B
Synonyms:	BRCC3; XTP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205701 representing NM_018369
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGCATCGCATCGTGGGGCCGGGCCGTACCGAGCTACCGAGCTGTGGAATGAGACCGTGGAGCTTT
 TTCGTGCTAAGATGCCGTTACGGAAACATCGCTGTCGTTTCAAGAGCTATGAGCATTGTTTCACAGCGGC
 CGAAGCTGTGGATTGGCTGCATGAGCTGCTGAGGTGCAGTCAAACTTCGGCCCTGAAGTGACCCGCAAA
 CAAACGGTCCAGCTGCTAAAAAATTCCTGAAGAATCACGTTATTGAAGACATCAAGGGAATGGGGTG
 AGGAAGATTTTGAAGACAATCGTCACTTATACAGATTTCTCTCTTCCACCCCTGAAACCATATCCAAA
 GAAGCCCCCAAAACCAAGGATGTTATTAATTTCCAGAATGGAATGATCTCCACCAGGCACCTTCACAA
 GAGAACATCCAGTGAGGCCAGTTGTGATGAATTCTGAGATGTGGTACAAGCGTCACAGTATTGCAATTG
 GAGAGGTGCCAGCTTGCCGTCTTGTCCACCGCAGACAGCTGACAGAGGCCAATGTAGAAGAGATATGGAA
 GTCTATGACATTATCATACTTACAGAAAAATCTTGGCCTGGATTCTTAGAAGAAGTTTACAGCTCAAA
 CTTGTCAATTGCAAGTTCATCATCCATAATGTATATAGTGTAGCAAGCAGGGAGTTGTTATTCTTGATG
 ACAAGTCAAAAGAATTCTCATTGGGTGCTGTGAGCTATGAAGTGTGGCAAATTTGGCCAACTGTTTC
 TGATTTGAAGCAGCCTATGACTTGGGATTTGAAAAAGATGTCTTTAAACCATAGCTGATTACTATGGT
 CACTTGAAAGAGCCTCTACTTACATTTTATCTTTTGTGCTTTTGTGAGTGTACTGGGTTTGTACAGA
 AGGAGAAAGTGGCAGTTGAAGCATTTTCAAGATTTGCTGCCTTCTCCTACCTCCTGAAAAATAGGAGAAAGTT
 ACAGCTATTGATGATGATGATGGCAAGGATTTGCTTAAACAAAGAGATGCCACCCCTGTGTATGGCTTT
 GGTACCCGAACACTGATGGTTCAGACATTTTCCCGTTGCATCTTGTGTTCAAGGATGAAGTGGACTTGG
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 GGCTTTCAGACCTCTATAGAGGAGCGTGTGGCTCATCTACGAAGAGTCCAGATAAAATACCCAGGAGCT
 GATATGGATATCACTTTATCTGCTCCATCATTTTGGCGTCAAATTAGTCCAGAGGAATTTGAATATCAAA
 GATCATATGGCTCTCAGGAACCTCTGGCAGCCTTGTGGAGGAAGTCATAACAGATGCCAACTCTCCAA
 CAAAGAGAAAAAGAAGAACTGAAGCAGTTTCAAGAAATCTATCTGAAGTCTATCAAGAACGATTTCTCT
 ACACCAAGAAAGTGCAGCACTTCTGTTTCTGAAAAACCAACCAACCAACAGCTGCTAATGTGGGCAC
 TAAAGAAGCCTTTCCAACATTTCAAGAAGTCTAGAGTCTTCAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

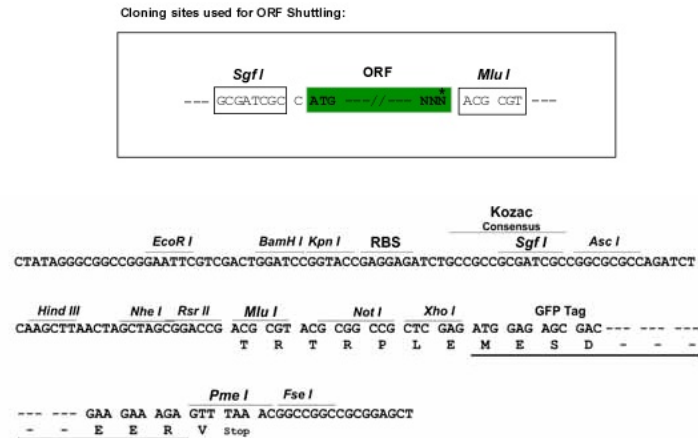
Protein Sequence: >RG205701 representing NM_018369
 Red=Cloning site Green=Tags(s)

MEHRIVGPGPYRATRLWNETVELFRAKMPLRKHRCRFKSYEHCFTAAEAVDWLHELLRCSQNFGEVTRK
 QTVQLKKFLKNHVIEDIKKGWGEEDFEDNRHLYRFPSSPLKPYPKPPNQKDVIKFEWNDLPPGTSQ
 ENIPVRPVMNSEMWMYKRHSIAIGEVPAACRLVHRRQLTEANVEEIIWKSMTLSYLQKILGLDSLEEVLVDK
 LVNSKFIHNVYSVSKQGVVILDDKSKELPHWVLSAMKCLANWPNCSDLQPMYLGFEKDVFKTIADYYG
 HLKEPLLTFHLDAFVSVLGLLQKEKVAVEAFQICLLLPENRRKLQLLMMMMARICLNKEMPPLCDGF
 GTRTLMVQTFSRCILCSKDEVLDLLAARLVTFMDNYQEILKLPLALQTSIEERVAHLRRVQIKYPGA
 DMDITLSAPSFQRQISPEEFYQRSYGSQEPLAALLEEVITDAKLSNKEKKKKLKQFQKSYPEVYQERFP
 TPESAALLFPEKPKPKQLLMWALKKPFQPFQRTSRFRM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018369

ORF Size: 1587 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

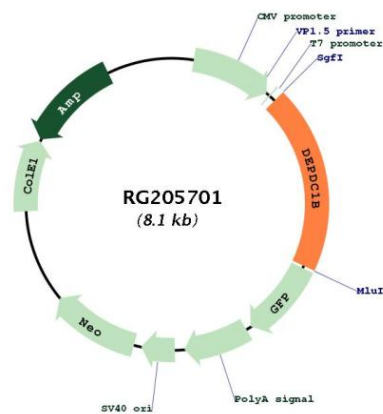
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_018369.1, NP_060839.1</u>
RefSeq Size:	2484 bp
RefSeq ORF:	1590 bp
Locus ID:	55789
UniProt ID:	<u>Q8WUY9</u>
Cytogenetics:	5q12.1
Domains:	DEP

Product images:



Circular map for RG205701