

Product datasheet for **RG221429**

DEPDC4 (NM_152317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEPDC4 (NM_152317) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DEPDC4
Synonyms:	DEP.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221429 representing NM_152317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTGCCAGGGGAGGAGCCAGCGCGGAGCTTATGGCGGTTCTTTGACTCCGAGGTTCCGTAGACTTG
TCAGTCAGAACGAGCTTCCGGGCCAGGGCTGAACGGGCCAAGTCCAGGAACCGTAGAGATGGCTTCTG
CCGGAAAAGGAGGACAGGATGCTCTGGTCCCTTCAAGCTACTCAGCTATGGGATGGTATTATTCACCTCT
CTTCAGGCCCAAGTGAAATAAAAAGAAGGAGGCATCATTTACAGACATACAAAGACTGTTTCACTGGTT
CTGATGCTGTGCGATGTGGTCTTAAGTCATCTTATGCAAAACACGTGCCTAAGTAGCAATGACATCTCTTG
TCTTAAAGGGGTTTCATCTTTGCCAAGTTCTAATGAATCACAAGTATTTGAACCAGTAGGAATGAAGAAG
CTTTTCAAAAAGAAAAGGAATTAGAATTTGAAGATTCCAACATTAGTCTCTACAGGTTTCTAGGCAATA
AATCATCTTACGATTGTTGCAAAAGACAAAAGGATGCTGAGAATGAGTTCAATGAAACCTTGAGACCAGG
ATATGAAATGATTTCAAATCCTCTAGCACAGGAGATTGGTGAGGAAAGAATTGAGGAACCTTATTCATACA
ATAAATGGGAATCCAGCTTTATGTCCAAATATCAGTTCAGAAACCTTTTCTCCGGCTTTCAAAAGAAG
ATGTTTGGAAAGAACAACATTATTATGTCTTCTTCAATTGATTACCTTCCATTCTTGGACAATATTTT
GGAGCCTCCAGTTAAACACAAAATCTTCACTAAACAAAGAGGAAGATCTTGTTATCACTAACACTTGC
CTAGACAGAGAACTTATCCAAGCTTATGTCTACCTGAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221429 representing NM_152317
Red=Cloning site Green=Tags(s)

MVPGEEPARELMAVLLTPRFRLVSQNELPGPGLNGPSSRNRRDGFCKRRTGCSGPFQATQLWDGIIHS
 LQAQVEIKRRRHHLQTYKDCFTGSDAVDVVLSHLMQNTCLSSNDISCLKGVHLCQVLMNHKVFEPVGMKK
 LFKKEKELEFEDSNISLYRFLGNKSSYDCCKRQKDAENEFNETLRPGYEMISNPLAQEIGEERIEELIHT
 INGNPALCPNITVQKPLRLSKEDVWKEQTLLCLLQLIHLPLFDNILEPPVKTNLQLNKEEDLVITNTC
 LDRELIPSLCLPEK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152317

ORF Size: 882 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_152317.1](#), [NP_689530.1](#)

RefSeq Size: 2337 bp

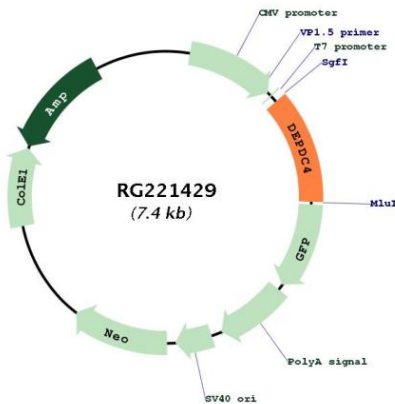
RefSeq ORF: 885 bp

Locus ID: 120863

UniProt ID: [Q8N2C3](#)

Cytogenetics: 12q23.1

Product images:



Circular map for RG221429