

Product datasheet for RC221429

DEPDC4 (NM_152317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DEPDC4 (NM_152317) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DEPDC4
Synonyms:	DEP.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221429 representing NM_152317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTGCCAGGGGAGGAGCCAGCGCGGAGCTTATGGCGTTCTTTGACTCCGAGGTTCCGTAGACTTG
TCAGTCAGAACGAGCTTCCGGGCCAGGGCTGAACGGGCCAAGTCCAGGAACCGTAGAGATGGCTTCTG
CCGAAAAGGAGGACAGGATGCTCTGGTCCTTTCAAGCTACTCAGCTATGGGATGGTATTATTCACCTCT
CTTCAGGCCCAAGTGAAATAAAAAGAAGGAGGCATCATTTACAGACATACAAAGACTGTTTCACTGGTT
CTGATGCTGTGCGATGTGGTCTTAAGTCATCTTATGCAAAACACGTGCCTAAGTAGCAATGACATCTCTTG
TCTTAAAGGGGTTTCATCTTTGCCAAGTTCTAATGAATCACAAAGTATTTGAACCAGTAGGAATGAAGAAG
CTTTTCAAAAAGAAAAGGAATTAGAATTTGAAGATTCCAACATTAGTCTCTACAGGTTTCTAGGCAATA
AATCATCTTACGATTGTTGCAAAAGACAAAAGGATGCTGAGAATGAGTTCAATGAAACCTTGAGACCAGG
ATATGAAATGATTTCAAATCCTCTAGCACAGGAGATTGGTGAGGAAAGAATTGAGGAACCTTATTCATACA
ATAAATGGGAATCCAGCTTTATGTCCAAATATCACAGTTCAGAAACCTTTTCTCCGGCTTTCAAAAGAAG
ATGTTTGGAAAGAACAACATTATTATGTCTTCTTCAATTGATTCACCTTCCATTCTTGGACAATATTTT
GGAGCCTCCAGTTAAACACAAAATCTTCAACTAAACAAAGAGGAAGATCTTGTTATCACTAACACTTGC
CTAGACAGAGAACTTATCCAAGCTTATGTCTACCTGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221429 representing NM_152317
 Red=Cloning site Green=Tags(s)

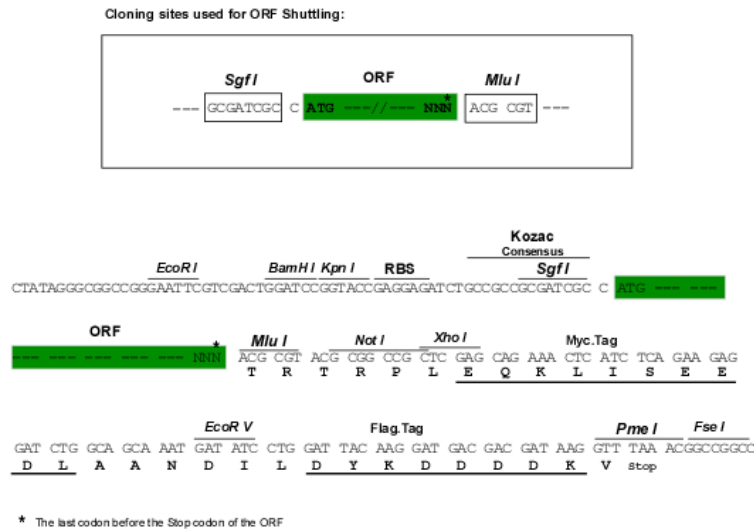
MVPGEEPARELMAVLLTPRFRLVSQNELPGPGLNGPSSRNRRDGFCKRRTGCSGPFQATQLWDGIIHS
 LQAQVEIKRRRHHLQTYKDCFTGSDAVDVVLSHLMQNTCLSSNDISCLKGVHLCQVLMNHKVFEPVGMKK
 LFKKEKELEFEDSNISLYRFLGNKSSYDCCKRQKDAENEFNETLRPGYEMISNPLAQEIGEERIEELIHT
 INGNPALCPNITVQKPFRLSKEDVWKEQTLCLLQLIHLPLDNILEPPVKTNLQLNKEEDLVITNTC
 LDRELIPSLCLPEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_d07.zip

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.

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

RefSeq: NM_152317.4

RefSeq Size: 2337 bp

RefSeq ORF: 885 bp

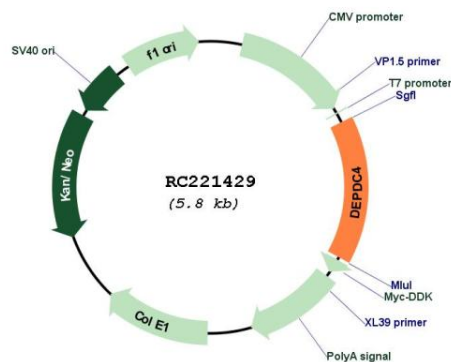
Locus ID: 120863

UniProt ID: Q8N2C3

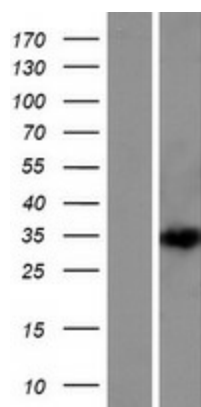
Cytogenetics: 12q23.1

MW: 33.5 kDa

Product images:



Circular map for RC221429



Western blot validation of overexpression lysate (Cat# [LY407643]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221429 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).