

Product datasheet for RC233397

DYDC2 (NM_001270042) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DYDC2 (NM_001270042) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DYDC2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233397 representing NM_001270042
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATTCTGAGACCTCCCCAGCAATGTGGAAGTCTGCCAGGATGGAACTAACTACCTGAAGAGGTGCT
 TTGGAAATTGCCTGGCCAGGCACTGGCAGAGGTGGCGAAGGTTTCGGCCAGTGACCCAATAGAAATACCT
 GGCTCACTGGCTTTATCATTACAGGAAAACAGCAAAAGCAAAAGAAGAGAATAGGGAAAAGAAGATCCAC
 CTGCAGGAGGAATATGACAGTAGCCTCAAGGAAATGGAATGACAGAAATGCTGAAACAGGAAGAGTATC
 AGATTCAACAGAACTGTGAAAAGTGTACAAGGAAGTCTGAACTGTTTCCACGAAGAAGACCAT
 ATTCATGCAGGAGGACAAAACCCCTTGAGAAGGAGGCCTTGAAGCAGGAATTCCTGCCAGGTACTTCC
 AGTCTGATTCCAGGAATGCCTCAACAGGTTCTCCTTCAGAGTCTGCTGGCCAGATTGACCAGAATTCA
 AAATGCCACAAGAAATAAATTACAAGGAGGCTTTTCAGCATGAAGTTGCTCATGAAATGCCTCCTGGCTC
 CAATCTCCTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233397 representing NM_001270042
 Red=Cloning site Green=Tags(s)

MILRPPQQCGTAARMETNYLKRCFGNCLAQALAEVAKVRPSDPIEYLAHWLYHYRKTAKAKEENREKKIH
 LQEEYDSSLKEMEMTEMLKQEEYQIQNCEKCHKELTSETVSTKKTIFMQEDTNPLEKEALKQEFPLPGTS
 SLIPGMPQQVPPSESAGQIDQNFKMPQEINYKEAFQHEVAHEMPPGSKSPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001270042

ORF Size: 573 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_001270042.1](#), [NP_001256971.1](#)

RefSeq Size: 1752 bp

RefSeq ORF: 576 bp

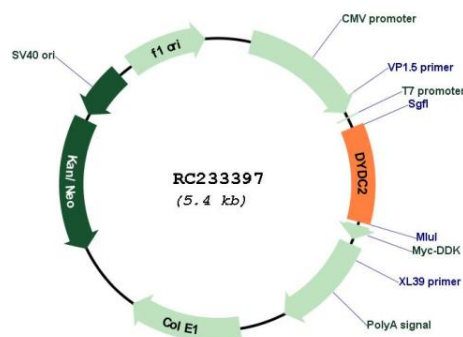
Locus ID: 84332

Cytogenetics: 10q23.1

MW: 22.6 kDa

Gene Summary: This gene encodes a member of a family of proteins that contains a DPY30 domain. This gene locus overlaps with a closely related gene on the opposite strand. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RC233397