

Product datasheet for **RC205409**

DYDC1 (NM_138812) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DYDC1 (NM_138812) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DYDC1
Synonyms: DPY30D1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205409 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCAATATATCTTCAAAGCACCTTGGGCCTGTTTAACTCAAGGTCTTGCAGAAGTGGCAAGAG
TTCGCCAGTGGATCCGATAGAATATTTAGCATTGTGGATTTACAAGTAAAGGAAAATGTGACCATGGA
ACAAGTGAAGAAAAGGAAATGGCAAGCTGGAGCGTAAAGAGAATTAGCTCTGATGGAGCAGGAAATG
ATGGAGAGGCTCAAAGCAGAGGAGCTCTACTTCAGCAGCAACAGCTGGCATTGCAGCTAGAGTTGGAAA
TGCAAGAAAAGGAGAGGCAGAGAATACAAGAACTACAGAGAGCTCAAGAACAATTAGGCAAGGAGATGAG
AATGAATATGGAAAATCTAGTTAGGAATGAAGATATTCTACATTAGAGGAAAGCAACACTAGACTCAGGC
AAAACACTAGCTGAAATCAGCGATCGTTATGGAGCACCTAACTTGAGCAGAGTGGGAAGAAGTGGTGAAC
CAATGTTTTCTGATATTGCATTAACATTGATCAAGATTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205409 protein sequence
Red=Cloning site Green=Tags(s)

MESIYLQKHLGACLTQGLAEVARVRPVDPIEYLALWIYKYKENVMTMQLRQKEMAKLERERELALMEQEM
MERLKAEEELLQQQLALQLELEMQEKERQRIQELQRAQEQLGKEMRMNENLVRNEDILHSEEAATLDSG
KTLAEISDRYGAPNLSRVEELDEPMFSDIALNIDQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6316_a10.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138812

ORF Size: 531 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_138812.3](#)

RefSeq Size: 787 bp

RefSeq ORF: 534 bp

Locus ID: 143241

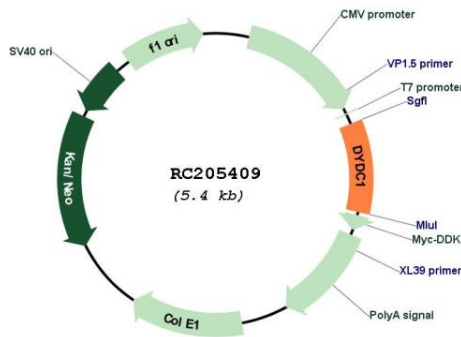
UniProt ID: [Q8WWB3](#)

Cytogenetics: 10q23.1

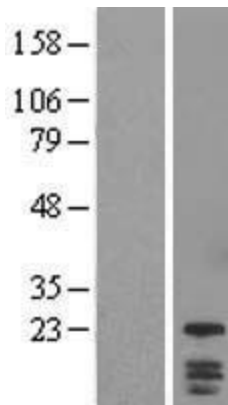
MW: 20.9 kDa

Gene Summary: This gene encodes a member of a family of proteins that contains a DPY30 domain. The encoded protein is involved in acrosome formation during spermatid development. 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]

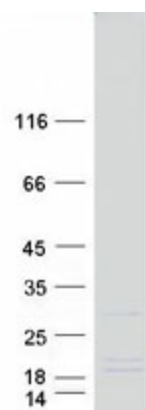
Product images:



Circular map for RC205409



Western blot validation of overexpression lysate (Cat# [LY408497]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205409 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DYDC1 protein (Cat# [TP305409]). The protein was produced from HEK293T cells transfected with DYDC1 cDNA clone (Cat# RC205409) using MegaTran 2.0 (Cat# [TT210002]).