

Product datasheet for **RC233370**

DYDC1 (NM_001269053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RC233370 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCAATATATCTTCAAAGCACCTTGGGCCTGTTAACTCAAGGTCTTGCAGAAGTGGCAAGAG
TTCGCCCGATGGATCCGATAGAATATTTAGCATTGTGGATTACAAGTATAAGGAAAATGTACCATGGA
ACAAGTGAAGACAAAGGAAATGGCCAAGCTGGAGCGTGAAAGAGAATTAGCTCTGATGGAGCAGGAAATG
ATGGAGAGGCTCAAAGCAGAGGAGCTCTTACTTCAGCAGCAACAGCTGGCATTGCAGCTAGAGTTGAAA
TGCAAGAAAAGGAGAGGCAGAGAATACAAGAACTACAGAGAGCTCAAGAACAATTAGGCAAGGAGATGAG
AATGAATATGGAATCTAGTTAGGAATGAAGATATTCTACATTGAGAGGAAGCAACACTAGACTCAGGC
AAACACTAGCTGAAATCAGCGATCGTTATGGAGCACCTAAGTGGAGAGAGTGAAGAAGTGGATGAAC
CAATGTTTTCTGATATTGCATTAAACATTGATCAAGATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233370 protein sequence
Red=Cloning site Green=Tags(s)

MESIYQKHLGACLTQGLAEVARVRPVDPIEYLALWIYKYKENVMTQRLRQKEMAKLERERELALMEQEM
MERLKAEEELLQQQLALQLELMQEKERQRIQELQRAQEQLGKEMRMNMENLVRNEDILHSEETLDSG
KTLAEISDRYGAPNLSRVEELDEPMFSDIALNIDQDL

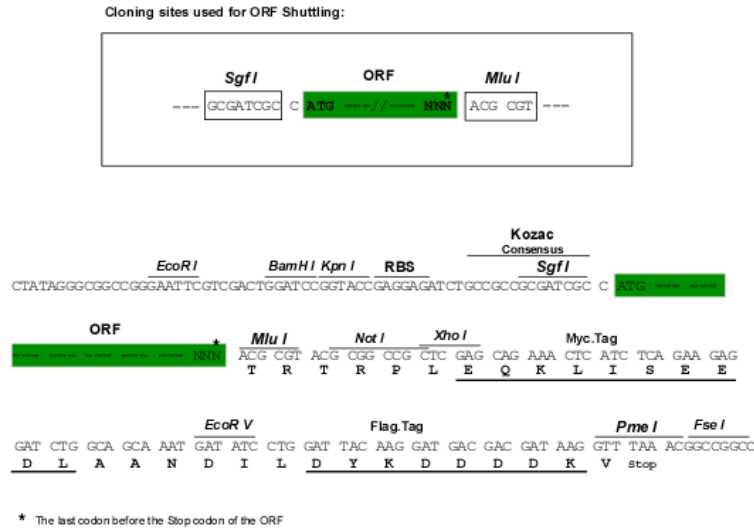
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001269053

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.

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

RefSeq: [NM_001269053.2](#)

RefSeq Size: 664 bp

RefSeq ORF: 534 bp

Locus ID: 143241

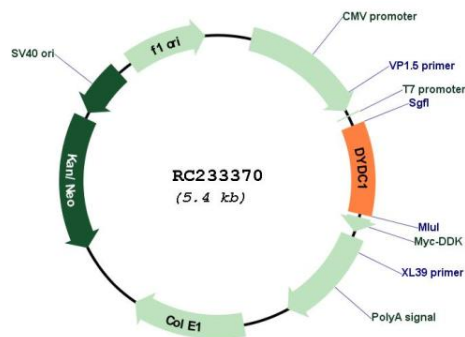
UniProt ID: [Q8WWB3](#)

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 RC233370