

Product datasheet for **RG205409**

DYDC1 (NM_138812) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DYDC1
Synonyms:	DPY30D1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205409 representing NM_138812
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCAATATATCTTCAAAAGCACCTTGGGCCTGTTAACTCAAGGTCTTGCAGAAGTGGCAAGAG
TTCGCCCAGTGGATCCGATAGAATATTTAGCATTGTGGATTACAAGTATAAGGAAAATGTGACCATGGA
ACAAGTGAACAAAAGGAAATGGCCAAGCTGGAGCGTGAAAGAGAATTAGCTCTGATGGAGCAGGAAATG
ATGGAGAGGCTCAAAGCAGAGGAGCTCTTACTTCAGCAGCAACAGCTGGCATTGCAGCTAGAGTTGAAA
TGCAAGAAAAGGAGAGGCAGAGAATACAAGAACTACAGAGAGCTCAAGAACAATTAGGCAAGGAGATGAG
AATGAATATGGAATCTAGTTAGGAATGAAGATATTCTACATTGAGAGGAAGCAACTAGACTCAGGC
AAACACTAGCTGAAATCAGCGATCGTTATGGAGCACCTAAGTGGAGAGTGAAGAAGTGGATGAAC
CAATGTTTTCTGATATTGCATTAAACATTGATCAAGATTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205409 representing NM_138812
Red=Cloning site Green=Tags(s)

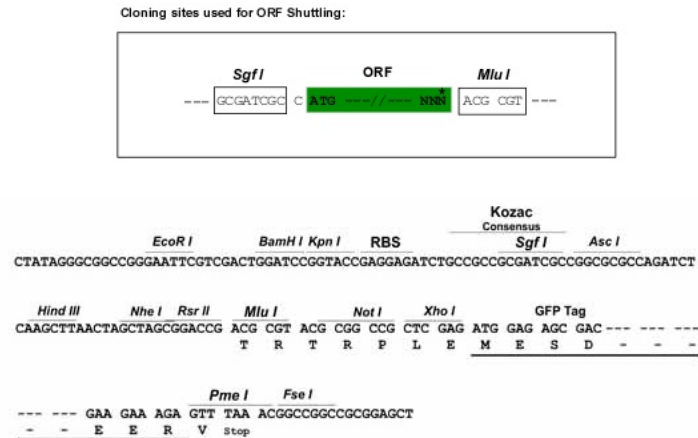
MESIYQKHLGACLTQGLAEVARVRPVDPIEYLALWIYKYKENVMEQLRQKEMAKLERERELALMEQEM
MERLKAEEELLQQQLALQLELMQEKERQRIQELQRAQEQLGKEMRMNENLVRNEDILHSEETLDSG
KTLAEISDRYGAPNLSRVEELDEPMFSDIALNIDQDL

TRTRPLE - GFP Tag - V

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.

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

RefSeq: [NM_138812.3](#)

RefSeq Size: 795 bp

RefSeq ORF: 534 bp

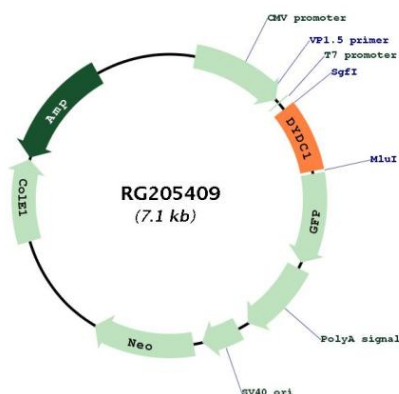
Locus ID: 143241

UniProt ID: [Q8WWB3](#)

Cytogenetics: 10q23.1

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 RG205409