

Product datasheet for **RG200890**

DPCD (NM_015448) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DPCD (NM_015448) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DPCD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200890 representing NM_015448
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGACGGGCTGGTTGGAGAGTCTGCGGACAGCCAGAAAGTGGCTGCTGCAGGACGGGAGAA
 GGAAGGTTCACTATTTATTTCCAGACGGCAAGGAAATGGCTGAAGAATATGACGAGAAGACGAGTGAAGT
 ACTTGTGAGAAAGTGGCGTGTGAAAAGTGCCCTGGGAGCCATGGGCCAGTGGCAGCTTGAAGTAGGAGAC
 CCAGCGCCCTAGGAGCAGGGAACCTGGGGCTGAAGTCAAGGAAAGCAATGCCAATCCTATCTTCA
 TGCGCAAGGACACCAAGATGAGTTTCCAGTGGCGGATTGAAACCTCCCTATCCTAAGGATGCTATAG
 TGCTCTGTGGACCAGAAGGAGCGCTGCATCATTGTCAGAACCAACCAAGAAGTACTACAAGAAGTTC
 TCCATTCTGATCTAGATAGACACCAGTACCTCTGGATGACGCCTTGCTGAGCTTTGCCACGCCAACT
 GCACCCTGATCATCTCTTACCAGAAGCCAAAGGAGTTGTGGTGGCCGAGTCTGAGCTACAGAAGGAACT
 AAAGAAGGTGAAGACAGCCACAGCAACGATGGGGACTGCAAGACCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200890 representing NM_015448
 Red=Cloning site Green=Tags(s)

MAVTGWLESLRTAQKTALLQDGRKRVHYLFPDGKEMAEYDEKTSSELLVRKWRVKSALGAMGQWQLEVG
 PAPLGAGNLGPELIKESNANPIFMRKDTKMSFQWRIRNLPYPKDVYSVSDQKERCIIIVRTTNKKYKFF
 SIPDLDRHQLPLDDALLSFAHANCTLIISYQPKKEVVVAESELQKELKKVKTAKSNDGDCKTQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_015448

ORF Size: 609 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_015448.3](#)

RefSeq Size: 858 bp

RefSeq ORF: 612 bp

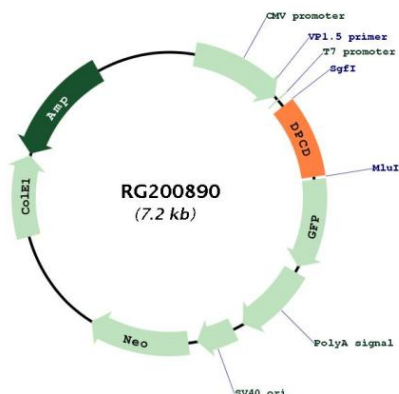
Locus ID: 25911

UniProt ID: [Q9BVM2](#)

Cytogenetics: 10q24.32

Gene Summary: This gene in mouse encodes a protein that may be involved in the generation and maintenance of ciliated cells. In mouse, expression of this gene increases during ciliated cell differentiation, and disruption of this gene has been linked to primary ciliary dyskinesia. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG200890