

## Product datasheet for **RG200317**

### DGCR6L (NM\_033257) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DGCR6L (NM_033257) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DGCR6L
Synonyms:	DGCR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200317 representing NM_033257 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCGCTACGCGCCGCCTTGGAGGAGGTGGCGGACGGTGCCCGCAGCAGGAGCGACACTACCACT  
TGCTGTCGGCGCTACAGAGCCTGGTGAAGGAGTTGCCAGCTCTTCCAGCAGCGCTGTCTACACCAC  
GCTCAGCGACCTGGCCCTGGCGCTTCTCGACGGCACCGTGTTCGAAATCGTGCAGGGGCTACTGGAGATC  
CAGCACCTCACCGAAAAGAGCCTGTACAACCAGCGCCTGCGCCTACAGAACGAGCACCGAGTGCTCAGGC  
AGGCGCTGCGGCAGAAGCACAGGAAGCCAGCAGGCCTGCCGGCCCCAACCTGCCTGTGGTTCAGGC  
GGCTCAGCAGCGAGAAGTACAGGCGGTGGAACACCGGATCCGTGAGGAGCAGCGGGCGATGGACCAGAAG  
ATCATCTGGAGCTGGACCGGAAGGTGGCTGACCAGCAGAGCACACTGGAGAAGGCGGGGTGGCTGGCT  
TCTACGTGACCACCAACCCACAGGAGCTGATGCTGCAGATGAACCTGCTGGAACATCCGAAAGCTGCA  
GCAGAGGGGCTGCCGGGCAGGGAATGCAGCCCTGGGACTGGGAGGTCCCTGGCAGTGCCTGCTGCCACG  
TGTGACCAGAAAGGCAGCCCTGTCCCACCA

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200317 representing NM\_033257  
Red=Cloning site Green=Tags(s)

MERYAAALEEVADGARQQERHYQLLSALQSLVKELPSSFQQRLSYTTLSDLALALLDGTVFEIVQGLLEI  
 QHLTEKSLYNQRLRLQNEHRVLRQALRQKHQEAQQACRPHNLPVVQAAQQRELEAVEHRIREEQRAMDQK  
 IILELDRKVADQQSTLEKAGVAGFYVTTNPQELMLQMNLLELIRKLQQRGCRAGNAALGLGGPWQSPAAQ  
 CDQKGSVPVP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033257

**ORF Size:** 660 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\\_033257.4](#)

**RefSeq Size:** 1182 bp

**RefSeq ORF:** 663 bp

**Locus ID:** 85359

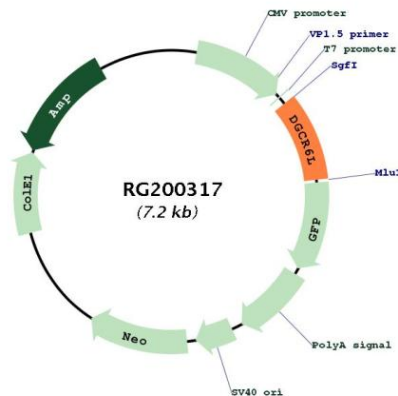
**UniProt ID:** [Q9BY27](#)

**Cytogenetics:** 22q11.21

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene, the result of a duplication at this locus, is one of two functional genes encoding nearly identical proteins that have similar expression patterns. The product of this gene is a protein that shares homology with the Drosophila gonadal protein, expressed in gonadal tissues and germ cells, and with the human laminin gamma-1 chain that functions in cell attachment and migration. This gene is located in a region of chromosome 22 implicated in the DiGeorge syndrome, one facet of a broader collection of anomalies referred to as the CATCH 22 syndrome. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG200317