OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG208368

DGCR6 (NM_005675) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGCR6 (NM_005675) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DGCR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG208368 representing NM_005675
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCGCTACGCGGGCGCCTTGGAGGAGGTGGCGGACGGTGCCCGGCAGCAGGAGCGACACTACCAGC
TGCTGTCGGCGTTACAGAGCCTGGTGAAGGAGTTGCCCAGCTCATTCCAGCAGCGCTTGTCCTACACCAC
GCTGAGCGACCTGGCCCTGGCGCTTCTCGACGGCACCGTGTTCGAAATCGTGCAGGGGCTACTGGAGATC
CAGCACCTCACCGAAAAGAGCCTGTACAACCAGCGCCTGCGCCTACAGAACGAGCATCGAGTGCTCAGGC
AGGCGCTGCGGCAGAAGCACCAGGAAGCCCAGCAGGCCTGCCGGCCCCATAACCTGCCTGTGCTTCAGGC
GGCTCAGCAGCGAGAACTAGAGGCGGTGGAGCACCGGATCCGTGAGGAGCAGCGGGCGATGGACCAGAAG
ATCGTCCTGGAGCTGGACCGGAAGGTGGCTGACCAGCAGAGCACACTGGAGAAGGCGGGGGTGGCTGGCT
TCTACGTGACCACCAACCCACAGGAGCTGATGCTGCAGATGAACCTGCTGGAACTCATCCGGAAGCTGCA
GCAGAGGGGCTGCTGGGCAGGGAAGGCAGCCCTGGGGCTAGGAGGTCCCTGGCAGTTGCCTGCTGCCCAG
TGTGACCAGAAAGGCAGCCCTGTCCCACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208368 representing NM_005675
Red=Cloning site Green=Tags(s)

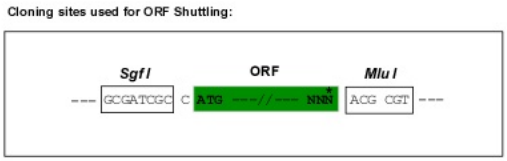
MERYAGALEEVADGARQQERHYQLLSALQSLVKELPSSFQQRLSYTTLSDLALALLDGTVFEIVQGLLEI
QHLTEKSLYNQRLRLQNEHRVLRQALRQKHQEAQQACRPHNLPVLQAAQQRELEAVEHRIREEQRAMDQK
IVLELDRKVADQQSTLEKAGVAGFYVTTNPQELMLQMNLLELIRKLQQRGCWAGKAALGLGGPWQLPAAQ
CDQKGSPVPP

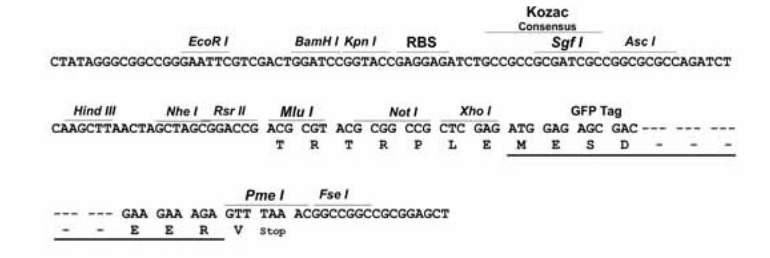
TRTRPLE - GFP Tag - V

View online »

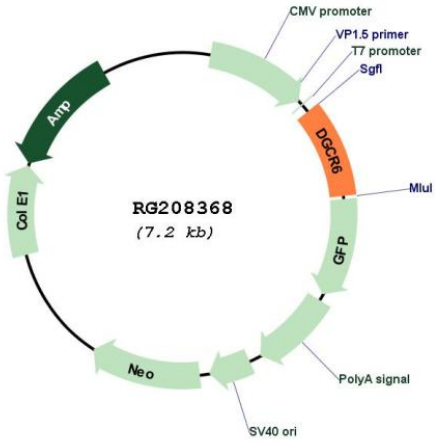
Restriction Sites: SgfI-MluI

Cloning Scheme:





Plasmid Map:



ACCN: NM_005675

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_005675.6
RefSeq Size:	1188 bp
RefSeq ORF:	663 bp
Locus ID:	8214
UniProt ID:	Q14129
Cytogenetics:	22q11
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Gene Summary:	DiGeorge syndrome, and more widely, the CATCH 22 syndrome, are associated with microdeletions in chromosomal region 22q11.2. The product of this gene shares homology with the Drosophila melanogaster gonadal protein, which participates in gonadal and germ cell development, and with the gamma-1 subunit of human laminin. This gene is a candidate for involvement in DiGeorge syndrome pathology and in schizophrenia. [provided by RefSeq, Nov 2008]