

Product datasheet for **SC116589**

DGCR6 (NM_005675) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGCR6 (NM_005675) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGCR6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005675, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGCTACGCGGGCGCCTTGGAGGAGGTGGCGGACGGTGCCCGGCAGCAGGAGCGACACTACCAGC
TGCTGTCGGCGTTACAGAGCCTGGTGAAGGAGTTGCCAGCTCATTCCAGCAGCGCTTGTCTACACCAC
GCTGAGCGACCTGGCCCTGGCGCTTCTCGACGGCACCGTGTTCGAAATCGTGCAGGGGCTACTGGAGATC
CAGCACCTCACCGAAAAGAGCCTGTACAACCAGCGCCTGCGCCTACAGAACGAGCATCGAGTGCTCAGGC
AGGCGCTGCGGCAGAAGCACCAGGAAGCCAGCAGGCCTGCCGGCCCCATAACCTGCCTGTGCTTCAGGC
GGCTCAGCAGCGAGAAGTAGAGGCGGTGGAGCACCGGATCCGTGAGGAGCAGCGGGCGATGGACCAGAAG
ATCGTCTGGAGCTGGACCGGAAGGTGGCTGACCAGCAGAGCACACTGGAGAAGCGGGGGTGGCTGGCT
TCTACGTGACCACCAACCCACAGGAGCTGATGCTGCAGATGAACCTGCTGGAACCTATCCGGAAGCTGCA
GCAGAGGGGCTGCTGGGCAGGAAGGCAGCCCTGGGGCTAGGAGGTCCCTGGCAGTTGCCTGCTGCCAG
TGTGACCAGAAAGGCAGCCCTGTCCCACCATAG
```



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005675 unedited
 GTAATACGACTACTATAGGGCGCCGCGAATTCGGCACGAGGCCGCCGCCGCGCGGCT
 AGCGGGCGTCCGCGCCATGGAGCGCTACGCGGCCGCTTGGAGGAGGTGGCGGACGGTGC
 CCGGCAGCAGGAGCGACTACCACTGCTGTCCGCGCTACAGAGCCTGGTGAAGGAGTT
 GCCCAGCTCTTTCCAGCAGCGCCTGTCTACACCACGCTCAGCGACCTGGCCCTGGCGCT
 TCTCGACGGCACCGTGTTCGAAATCGTGCAGGGGCTACTGGAGATCCAGCACCTCACCGA
 AAAGAGCCTGTACAACCAGCGCCTGCGCCTACAGAACGAGCACCAGTGTCTCAGGCAGGC
 GCTGCGGCAGAAGCACCAAGGAGCCAGCAGCCTGCCGCCCCACAACCTGCCTGTGGT
 TCAGGCGGCTCAGCAGCGAGAAGTAGAGGCCGTGGAACACCGGATCCGTGAGGAGCAGCG
 GGCGATGGACCAGAAGATCATCCTGGAGCTGGACCAGGAGGTGGCTGACCAGCAGAGCAC
 ACTGGAGAAGGCGGGGTGGCTGGCTTCTACGTGACCACCAACCCACAGGAGCTGATGCT
 GCAGATGAACCTGCTGGAACCTCCGAAAGCTGCAGCAGAGGGGCTGCCGGCAGGGAA
 TGCAGCCCTGGGACTGGGAGTCCCTGGCAGTGCCTGCTGCCAGTGTGACCAGAAAGG
 CAGCCCTGTCCCACCATAGCCACAGGCAGCAGAAGTCTGGGCAGAGTTTCATCTTCTGAC
 CTTTGGCCACTGGCTTCCAGCTGCCGAGGGGGTTCCCTGCTGAGGAGAGACCAGTGG
 ACCCCAGCTGCTGTACCCCTATTTGGGACTTGTGTCAACCCTAGGATAGCTATAAAGGGA
 GGCTGGGCCANCTGCTGCTGCTGCTTACAGACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005675 unedited
 CGCCCGGGGNNNNNNNCNCCCCTTTTTNNNNNNNTTTTACTTGAACCCGGCCGATTCT
 ANATCGAGTTTTTTTTTTTTTTTTGGGCCACTGGAGCATCTTTATTTCTCTGGGTC
 ACACAGAGCTTGGGCTGGGAGCCTCTTCTGCATGGGGCTGCAGCTGCCAAGGGAGCGG
 CTGAGACCAGAACAAGCGCTCGGGTGGGCCAGTGCAGGTTGGGATGTCCCGTGGAG
 TAAGGTGTGAGAACCCAGCCTCACTCTGCCTGGTCTGAAGCAGACAGCAGCAGGC
 TGGCCAGCCTCCCTTTATGAGACTATCCTAGGGTTTACAGCAAGTCCAGATGAAGG
 GTGACAGGCAGCTGGGGTCCACCTGGTCTCTCCTCAGCAGGGGGAACCCCTGCGGGCAG
 CTGGGAAGGCAGTGGCCAAAGTCAAGAAGATGAACTCTGCCAGACTTCTGCTGCCTGT
 GGCTATGGTGGGACAGGGCTGCCTTTCTGGTCACACTGGGCAGCAGGCGACTGCCAGGGA
 CCTCCAGTCCCAGGGTGCATTCCCTGCCCGGCAGCCCTCTGCTGCAGCTTTCGGATG
 AGTTCAGCAGGTTTCATCTGCAGCATCAGCTCCTGTGGGTTGGTGGTACGTAAGGCCA
 GCCACCCCGCCTTCTCCAGTGTGCTCTGCTGGTACCCACTTCCGGTCCAGCTCCAGG
 ATGATCCTCTGGTCCATCGCCCGTCTCCTCACGGATCCCGTGTCCACGGCCTCTNAT
 TCTCGCTGCTGAGCCGCCTGAACCACAGCAAGTTGTGGGGCCCGCAGGCCCGCTGGGCTT
 CCTGGTGGCTTTGGCCGACGCCTGCCTGACACTCGGGGCTCGTTCTGTAGGCCACGCGCT
 GGTGTACAGGCTTCTTTCGGGGAGGGGGGGATCCCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_005675

Insert Size:

1170 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_005675.2](#), [NP_005666.2](#)

RefSeq Size: 1245 bp

RefSeq ORF: 1245 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]