

Product datasheet for **SC126909**

DGCR6L (NM_033257) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGCR6L (NM_033257) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGCR6L
Synonyms:	DGCR6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126909 sequence for NM_033257 edited (data generated by NextGen Sequencing)

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ATGGAGCGCTACGCGCCGCCTTGGAGGAGGTGGCGGACGGTGCCCGGCAGCAGGAGCGA
CACTACCAGTTGCTGTTCGGCGCTACAGAGCCTGGTGAAGGAGTTGCCAGCTCTTTCCAG
CAGCGCCTGTCTACACCACGCTCAGCGACCTGGCCCTGGCGCTTCTCGACGGCACTGTG
TTCGAAATCGTGCAGGGGCTACTGGAGATCCAGCACCTACCGAAAAGAGCCTGTACAAC
CAGCGCCTGCGCCTACAGAACGAGCACCGAGTGCTCAGGCAGGCGCTGCGGCAGAAGCAC
CAGGAAGCCCAGCAGGCCTGCCGGCCCCACAACCTGCCTGTGGTTCAGGCGGCTCAGCAG
CGAGAACTAGAGGCCGTGGAACACCGGATCCGTGAGGAGCAGCGGGCGATGGACCAGAAG
ATCATCTGGAGCTGGACCGAAGGTGGCTGACCAGCAGAGCACACTGGAGAAGGCGGGG
GTGGCTGGCTTCTACGTGACCACCAACCCACAGGAGCTGATGCTGCAGATGAACCTGCTG
GAACTCATCCGAAAGCTGCAGCAGAGGGGCTGCCGGGCAGGGAATGCAGCCCTGGGACTG
GGAGGTCCTGGCAGTCGCTGTGCCAGTGTGACCAGAAAGGCAGCCCTGTCCCACCA
TAG
```

Clone variation with respect to NM_033257.3
177 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033257 unedited
 TTGTAATACCGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCGCCGCCGGCGGC
 TAGCGGGCGTCCGCGCCATGGAGCGCTACGCGGCCGCCTTGGAGGAGGTGGCGGACGGTG
 CCCGGCAGCAGGAGCGACACTACCAGTTGCTGTCGGCGCTACAGAGCCTGGTGAAGGAGT
 TGCCAGCTCTTCCAGCAGCGCCTGTCTACACCAGCTCAGCGACCTGGCCCTGGCGC
 TTCTCGACGGCACTGTGTTGAAATCGTGCAGGGGCTACTGGAGATCCAGCACCTACCG
 AAAAGAGCCTGTACAACCAGCGCCTGCGCCTACAGAACGAGCACCGAGTGCTCAGGCAGG
 CGCTGCGGCAGAAGCACAGGAGCCCAACAGGCCCTGCCGGCCCAACCTGCCCTGT
 GGGTTCAGGCGGCTCAGCAGCGAGAAGTACAGGGCCGTGGAACACCGGATCCGTGAGGAGC
 AGCGGGGATGGACCANAAGATCATCTGGAGCTGGCCGGGAAAGTGGCTGACCAGCAGA
 GCACCTGGAGAAGGCGGGGGGGGGTGGCTTTTACGTGACCACCCACCCACAGGAGCT
 GATGCTGCAGATGAACCTGCTGGAATCATTGAAAGTGCAGCANAGGGGGCTGCCGGG
 CCAGGGAATGCACCCTGGGACTGGGGGAGTCCCTTGGCAGTCCCCTGCTGCCAGGGGA
 CAAAAGGGCACCCCTTCCACCTACCACAGGCAGATAATTTGGGCAAATTTATCTTTT
 TAACTTTGGCCCTGCCTCCAGTCCGAGGGGGGTTCCCTGGCTAAGATAAAACACAGG
 ACCCCGCTGGCTGCCCCCTCCTTGGGGCTCGCGGACACCCTAGTGTCTTATAAGGACA
 GCTCGGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033257 unedited
 AGCTATGAACCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGTGGGCCA
 CACTGAGGCATCTTTATTTCTCTGGGTACACAGAGCTTGGCCCTGGGAGCCTCTCTGC
 ATGGGGGCTGCAGCTGCCAAGGGAGCGGCTGAGACAAAACAAGCGCTCGGGTGGGCCCC
 AGTGCAGGTTGGGATGTGCCCGGTGGAGTAAGGTGTGAGAACCCACGCCTCACTCTCTG
 CCTGGTCTGAAGCAGACAGCAGAGGCTGGCCAGCCTCCCCTTATGAGACTATCCTA
 GGGTTTGACAGCAAGTCCAGATGAAGGGTGCAGGCAGCTGGGGTCCACCTGGTCTCTC
 CTCAGCAGGGGAACCCCTGCGGGCAGCTGGGAAGGCAGTGGCCAAAGGTCAAGAAGAT
 GAACTCTGCCAGACTTCTGCTGCCTGTGGCTATGGTGGGACAGGGCTGCCTTTCTGGTC
 AACTGGGCAGCAGGCGACTGCCAGGGACTCCCAGTCCCAGGGCTGCATTCCCTGCCCG
 GCAGCCCTCTGCTGCAGCTTTCGGATGAGTTCAGCAGGTTTCATCTGCAGCATCAGCTC
 CTGTGGGTTGGTGGTACGTAAAAGCCAGCCCCCGCCTTCTCAGTGTGCTCTGCTGGT
 CAGCCCCCTTTCGTTTCAGCTCCAGGATGATCTTTTGGTTTCATTGCCCGCTGGTCCTTACG
 GGTCCGGGCTTCCCGGCTTACTTCTCGCTGCTGAACCCCTGAACACCAGCCAGTTGT
 GGGGCCGGCCGCTGCTGGCTTCCGCGGGTTTTTCCGAAAGCCCGCCTGAACACTCCG
 TGCTCCTTTTTAGGCCAACGCCTTGGTGTACAGCCTTTTCCGCGAGGGCTGGACTCAAT
 ATCCCTTGCCAATTCCAACCAATGCGTCCCAAACCCCGTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_033257

Insert Size:

980 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_033257.2](#), [NP_150282.1](#)

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]