

## Product datasheet for **MC226238**

### Dgcr6 (NM\_001289814) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dgcr6 (NM\_001289814) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dgcr6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226238 representing NM\_001289814  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACCCTATGCGGCCCGGGGATGAGGCGGCGGATCGGGCCCGCAGCAGGAGCGGCCACTACCAGC  
TGCTGTCAGACTACAGAGCCTGGTCAAGGAGCTGCCAGCTCCTTTTCAGCAGCGCTGTCTACACCAC  
GCTCAGCGACTTGCCCTGGCGCTGCTCGACGGAACGGTGTGAAATCGTGCAGGGTCTTCTGGAGATT  
CAGCACCTCACTGAGAAGAGCCTCTACAACCAGAGACTGCGGCTGCAGAACGAACACCGAGTGCTCAGAC  
AGACTCTAAGGCAGAAGCACCTGGAAGCCAGCAGTCCTGCCGGCCCCACAACCTGCCAGTGCTCCAGGC  
AGCTCAGCAGCGTGAGCTGGAGGCCATGGAACATCGGATCCGGGAGGAGCAGCAGGCTATGGACCGAAAAG  
ATTGTCCTGGAGCTGGACCGGAAGGTTGCCGACCAGCAGACACTGGAGAAGGCAGGGGTAGCTGGTT  
TCTACGTGACCACCAATCCTCAGGAGCTGACGCTGCAGATGAACCTATTGGAACCTATCAGGAAGCTGCA  
GCAGAGGGGCTGCCAAGTGGAAAGGCAGCTCT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289814  
**Insert Size:** 597 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289814.1</a></u> , <u><a href="#">NP_001276743.1</a></u>
<b>RefSeq Size:</b>	1355 bp
<b>RefSeq ORF:</b>	597 bp
<b>Locus ID:</b>	13353
<b>Cytogenetics:</b>	16 11.19 cM
<b>Gene Summary:</b>	<p>This gene encodes a protein that is similar to the gonadal protein in <i>Drosophila</i> (fruit fly). The encoded protein is thought to play a role in migration of neural crest cells during development. Deletions in the human gene are associated with DiGeorge syndrome (or velocardiofacial syndrome) which has many clinical features including cardiac abnormalities, cleft palate, atypical facial features, hypocalcemia, hypoparathyroidism and defective development or congenital absence of the thymus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. The encoded protein (isoform 2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>