

## Product datasheet for **MR228449**

### Dgcr6 (NM\_001289814) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dgcr6 (NM\_001289814) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dgcr6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228449 representing NM\_001289814  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGACCCTATGCGCCCGGGGATGAGGCGGCGGATCGGGCCCGCAGCAGGAGCGGCACTACCAGC  
TGCTGTCAGCACTACAGAGCCTGGTCAAGGAGCTGCCAGCTCCTTTAGCAGCGCCTGTCTACACCAC  
GCTCAGCGACTTGCCCTGGCGCTGCTCGACGGAACGGTGTGAAATCGTGCAGGGTCTTCTGGAGATT  
CAGCACCTCACTGAGAAGAGCCTCTACAACCAGAGACTGCGGCTGCAGAACGAACACCGAGTGCTCAGAC  
AGACTCTAAGGCAGAAGCACCTGGAAGCCAGCAGTCCTGCCGGCCCCACAATTGCCAGTGCTCCAGGC  
AGCTCAGCAGCGTGAGCTGGAGGCCATGGAACATCGGATCCGGGAGGAGCAGCAGGCTATGGACCGAAAAG  
ATTGTCCTGGAGCTGGACCGGAAGGTTGCCGACCAGCAGACACTGGAGAAGGCAGGGGTAGCTGGTT  
TCTACGTGACCACCAATCCTCAGGAGCTGACGCTGCAGATGAACCTATTGGAACATCAGGAAGCTGCA  
GCAGAGGGGCTGCCAAGTGGAAAGGCAGCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228449 representing NM\_001289814  
Red=Cloning site Green=Tags(s)

MDRYAAAGDEAADRARQQRHYQLLSALQSLVKELPSSFQQLSYTTLSDLALALLDGTVFEIVQGLLEI  
QHLTEKSLYNQRLRLQNEHRVLRQTLRQKHLEAQQSCRPHNLPVLQAAQQRELEAMEHRIREEQQAMDRK  
IVLELDRKVADQSTLEKAGVAGFYVTNPQELTLQMNLELIRKLQQRGCQVQKAAAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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|                               |  |
|-------------------------------|--|
| <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>NM_001289814.1, NP_001276743.1</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>MW:</b>                    | 23.3 kDa   |
| <b>Gene Summary:</b>          | This gene encodes a protein that is similar to the gonadal protein in Drosophila (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] |