

## Product datasheet for MR228475

### Dgcr6 (NM\_001289813) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dgcr6 (NM\_001289813) 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:** >MR228475 representing NM\_001289813  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGACCCTATGCGCCCGGGGATGAGGCGGCGGATCGGGCCCGGCAGCAGGAGCGGCACTACCAGC  
TGCTGTCAGCACTACAGAGCCTGGTCAAGGAGCTGCCAGCTCCTTTAGCAGCGCCTGTCTACACCAC  
GCTCAGCGACTTGGCCCTGGCGCTGCTCGACGGAACGGTGTGAAATCGTGCAGGGTCTTCTGGAGAT  
CAGCACCTCACTGAGAAGAGCCTCTACAACCAGAGACTGCGGCTGCAGAACGAACACCGAGTGCTCAGAC  
AGACTCTAAGGCAGAAGCACCTGGAAGCCAGCAGTCCTGCCGGCCCCACAATTGCCAGTGCTCCAGGC  
AGCTCAGCAGCGTGAGCTGGAGTCATGGCAGGCCATGGAACATCGGATCCGGGAGGAGCAGCAGGCTATG  
GACCGAAAGATTGCTCTGGAGCTGGACCGAAGGTTGCCGACCAGCAGAGCACACTGGAGAAGGCAGGGG  
TAGCTGGTTTCTACGTGACCACCAATCCTCAGGAGCTGACGCTGCAGATGAACCTATTGGAACATCAG  
GAAGCTGCAGCAGAGGGGCTGCCAAGTGGAAAGGCAGCTCTG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228475 representing NM\_001289813  
Red=Cloning site Green=Tags(s)

MDRYAAAGDEAADRARQQERHYQLLSALQSLVKELPSSFQQLSYTTLSDLALALLDGTVFEIVQGLLEI  
QHLTEKSLYNQRLRLQNEHRVLRQTLRQKHLEAQQSCRPHNLPVLQAAQQRELESWQAMEHRIREEQQAM  
DRKIVLELDRKVADQQSTLEKAGVAGFYVTTNPQELTLQMNLELIRKLQQRGCQVGAAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

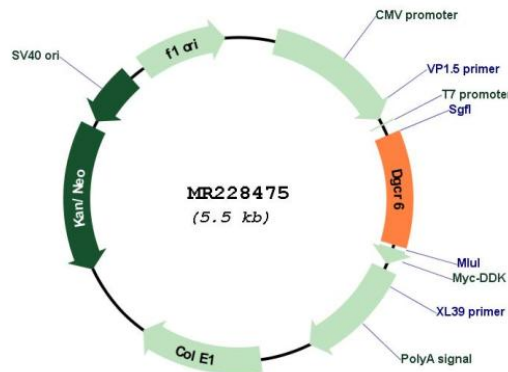


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001289813

ORF Size: 603 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.

<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_001289813.1</a></u> , <u><a href="#">NP_001276742.1</a></u>
<b>RefSeq Size:</b>	1364 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	13353
<b>UniProt ID:</b>	<u><a href="#">O35347</a></u>
<b>Cytogenetics:</b>	16 11.19 cM
<b>MW:</b>	23.7 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]