

Product datasheet for **MC207052**

Dgcr6 (BC048503) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dgcr6 (BC048503) 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:	>BC048503 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCCGCGGGGATGAGGCGCGGGATCGGGTCTACACCACGCTCAGCGACTTGGCCCTGGCGCTGC
TCGACGGAAACGGTGTGAAATCGTGCAGGGTCTTCTGGAGATTCAGCACCTCACTGAGAAGAGCCTCTA
CAACCAGAGACTGCGGCTGCAGAACGAACACCGAGTGCTCAGACAGACTCTAAGGCAGAAGCACCTGGAA
GCCAGCAGTCCGCGGCCCAACTTGCCAGTGCTCCAGGCAGCTCAGCAGCGTGAGCTGGAGGCCA
TGGAACTCGGATCCGGGAGGAGCAGCAGGCTATGGACCGAAAGATTGTCTGGAGCTGGACCGGAAGGT
TGCCGACCAGCAGACACTGGAGAAGGCAGGGGTAGCTGGTTTCTACGTGACCACCAATCCTCAGGAG
CTGACGCTGCAGATGAACCTATTGGAACATCAGGAAGCTGCAGCAGAGGGGCTGCCAAGTGGGAAAGG
CAGCTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC048503
Insert Size:	501 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).



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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: [BC048503](#), [AAH48503](#)

RefSeq Size: 948 bp

RefSeq ORF: 500 bp

Locus ID: 13353

Cytogenetics: 16 11.19 cM

Gene Summary: 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]