

## Product datasheet for **MG203417**

### Gjb6 (NM\_008128) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gjb6 (NM\_008128) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gjb6  
**Synonyms:** AA958971; Cx30; D14Bwg0506e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203417 representing NM\_008128  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACTGGGGACCCTGCACCCGTCATCGGTGGCGTGAACAAGCACTCTACCAGCATAGGGAAGGTG  
 GGATCACGGTCATCTTTATTTCCGAGTCATGATCCTAGTGGTGGCTGCCAGGAAGTGTGGGTGATGA  
 GCAGGAGGACTTTGTCTGCAACTCTGCAGCCAGGGTGAAGAACGTCTGCTATGACCATTTCTCCCG  
 GTGTCTCACATCCGGCTCTGGCCCTGCAGCTGATCTTTGTGTCTACCCAGCCCTGTTGGTGGCCATGC  
 ACGTGGCCTACTACAGACATGAAACTGCCCGAAAGTTTATACGTGGGAGAAGAGAAACGAGTTTAAAGA  
 CCTGGAGGACATCAAACGGCAGAAGGTGCGCATTGAGGGCTCCCTGTGGTGGACGTACACCAGCAGCATT  
 TTCTTCCGCATCATCTTGAAGCCGCTTCATGTATGTGTTCTACTTCTCTACAATGGGTACCACCTAC  
 CCTGGGTACTGAAATGTGGCATTGACCCCTGCCCAATCTCGTGGACTGCTTCATTTGAGGCCAACTGA  
 GAAAACGGTGTCACTGTTTTATGATTTCCGCATCCGTGATTTGCATGCTCAATGTGGCCGAGTTG  
 TGTTACCTGCTGCTAAATTGTGCTTTAGGAGATCCAAAAGAACACAGGCGCAGAGAAACCCCAACC  
 ATGCCCTGAAAGAGAGCAAGCAGAATGAAATGAATGAGCTGATCTCAGATAGTGGCCAGAATGCAATCAC  
 AAGTTTCCCAAGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203417 representing NM\_008128  
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MDWGLTHTVIGGVNKHSTSIGKVWITVIFIFRVMILVVAAQEVWGDEQEDFVCNTLQPGCKNVCYDHFFP  
 VSHIRLWALQLIFVSTPALLVAMHVAYYRHETARKFIRGEKRNEFKDLEDIKRQKVRIEGLSWWTYTSSI  
 FFRIIFEAAFMYVFYFLYNGYHLPWVLKCGIDPCPNLVDCFISRPTEKTVFTVFMISASVICMLLNVAEL  
 CYLLLLKLCFRRSKRTQAQRNHPNHALKESKQNMNELISDSGQNAITSFPS

TRTRPLE - GFP Tag - V

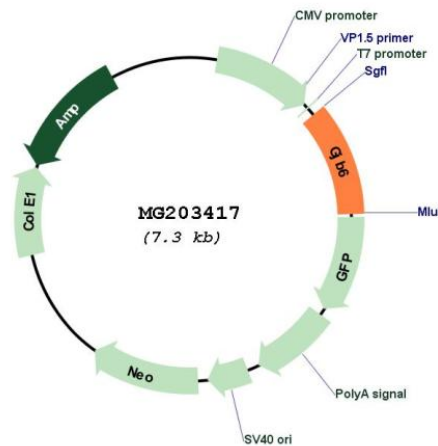
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_008128

**ORF Size:** 783 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_008128.3</a> , <a href="#">NP_032154.1</a>
<b>RefSeq Size:</b>	1962 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	14623
<b>Cytogenetics:</b>	14 30.1 cM
<b>Gene Summary:</b>	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.[UniProtKB/Swiss-Prot Function]