

Product datasheet for **MG203534**

Gjb4 (NM_008127) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gjb4 (NM_008127) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gjb4
Synonyms:	Cnx30.3; Cx30.3; Gjb-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203534 representing NM_008127 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTGGGATTTCTCCAGGGAATCCTGAGTGGTGTGAACAAGTACTCCACGGCACTGGGCCGCATCT
GGCTGTCTGTGGTCTTCATCTTCCGGGTGCTGGTGTATGTGGTGGCGGCAGAGGAGGTGTGGACGACGA
TCAAAAGGATTTTCATCTGCAATACCAAGCAGCCAGGCTGCCCAACGTCTGCTATGATGAGTTCTCCCC
GTGTCCCACGTGCGCCTCTGGCCCTGCAGCTCATCCTGGTCACTGTCTTCCCTGTTAGTGGTATGC
ATGTGGCCTATCGTGAAGAGCGAGAAAGGAAACATCGCCTCAAACATGGGCCCAATGCCCCAGCCCTGTA
CAGCAACCTGAGCAAGAAGAGGGGTGGCCTGTGGTGGACATACCTGCTGAGTCTCATCTTCAAGGCTGCT
GTGGACTCTGGCTTTCTCTATATCTTCCATTGCATTTACAAGGACTATGACATGCCCCGAGTGGTAGCTT
GCTCTGTGACTCCCTGCCCCCACTGTGGACTGTTACATCGCCCGACCCACAGAGAAGAAGTTTTTAC
CTACTTCATGGTAGTCACGGCAGCCATTTGATTCTACTCAACCTCAGTGAGGTCGTCTACCTGGTGGGC
AAGAGATGCATGGAGGTCTTCCGTCCCCGGCGCCGAAAGCTTCCAGGAGGCACCAACTGCCAGATACGT
GCCACCGTATGTGATCTCAAAGGAGGTCACCCTCAAGATGAGAGCGTGATCCTAACAAAGCCGGGAT
GGCCACGGTGGATGCAGGTGTGTATCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203534 representing NM_008127
Red=Cloning site Green=Tags(s)

MNWGFLQGILSGV NKYSTALGRIWLSVVFIFRVLVYVVAEEVWDDQKDFICNTKQPGCPNVCYDEFFP
 VSHVRLWALQLILVTCPSLLVVMHVAYREERERKHLKHPNAPALYSNL SKKRGLWWTYLLSLIFKAA
 VDSGFLYIFHCIYKDYDMPRVVACSVTPCPHTVDCYIARPTKVKVFTYFMVVTAICILLNLSEVVYLVG
 KRCMEVFRPRRRKASRRHQLPDTCPYVVISKGGHPQDESVILT KAGMATVDAGVYP

TRTRPLE - GFP Tag - V

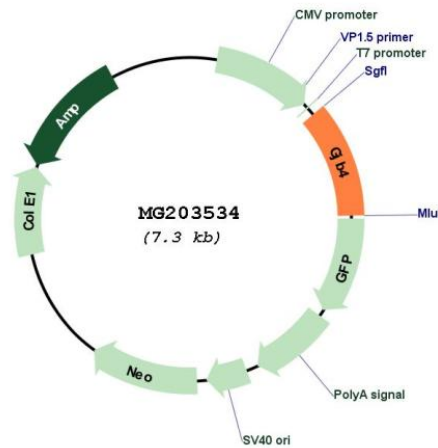
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008127

ORF Size: 798 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.
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).
Reconstitution Method:	<ol style="list-style-type: none">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:	NM_008127.2
RefSeq Size:	1464 bp
RefSeq ORF:	801 bp
Locus ID:	14621
UniProt ID:	Q02738
Cytogenetics:	4 61.51 cM
Gene Summary:	Structural component of gap junctions (PubMed:15692151). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (By similarity). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:15692151). [UniProtKB/Swiss-Prot Function]