

Product datasheet for **RN203586**

Gja8 (NM_153465) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gja8 (NM_153465) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gja8
Synonyms:	Cx50
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203586 representing NM_153465 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCGACTGGAGTTCCAGGGAACATCTTGAAGAGGTGAATGAACATTCACCGTCATCGGCAGAG
TTTGGCTCACGGTGCTTTTCATCTTCCGCATCCTCATCCTTGGCACCGCAGCCGAGTTTGTGTGGGCGCA
TGAGCAATCTGATTTTGTATGCAACACCCAGCAGCCAGGTTGTGAGAACGTCTGCTATGATGAGGCCTTT
CCCATCTCGCACATCCGCCTCTGGTCCCTGCAGATCATCTTCGTCTCCACTCCATCGCTGATGTAGGTGG
GGCACGGGTACACCACGTTTCGCATGGAGGAGAAGCGAAAGGACCGTGAGGCTGAGGAGCTCTGTCAGCA
GTCTCGCAGCAACGGGGGTGAGAGGGTACCAATCGCCCCAGACCAGGCCAGCATCAGGAAGAGCAGCAGC
AGTAGCAAAGGCACCAAGAAGTCCGGCTGGAGGGCACACTGCTAAGGACCTATGTCTGCCACATCATCT
TCAAGACCCTCTTTGAGGTGGGCTTCATCGTGGGCCATTACTTCCTGTATGGTTTCCGCATCCTGCCCT
CTATCGCTGCAGCCGGTGGCCCTGCCCAATGTGGTGGACTGCTTGTGTCCCGCCTACTGAGAAAACC
ATCTTCATCCTCTTCATGTTGTCCGTTGCTTTTGTGTCCCTCTCCTCAACATCATGGAGATGAGCCACC
TGGGCATGAAGGGAATCCGGTCTGCCTTCAAGAGGCTGCAGAGCAACCACTGGGGGAGATTGCCGAGAA
GTCCCTCCACTCCATTGCAGTTTCTCCATCCAGAAAGCCAAGGGCTACCAGCTCCTAGAAGAAGAGAAG
ATCGTTTCACTATTTCCCTTTGACGGAGGTTGGAATGGTGGAGACCAGCCCCCTGTACGCCAAGCCTT
TTAGTCAGTTTGGAGAGAAGATCGGCACAGGACCCTGGCAGATATGTCACGGGGTTACCAAGAAACCTT
GCCTTCTATGCTCAGGTGGGGGCCAGGAAGTGGAGCGGGAAGAGCAGCCCGTAGAGGAGGCTGTGGAA
CCGGAATTGGGAGAGAAGAAGCAAGAAGCAGAGAAGGTGGCCCCGAAGGGCAGGAGACGGTTGCAGTGC
CAGACGGGAGAAAGTAGAGACCCTGGGTAGGGAAGGATGATGAGAAAGAAGAGCTGCAAGCTGAAAA
GGTAACCAAGCAAGGGCTGTCTGCAGAGAAAGCGCCCACTCTGTCCAGAGCTGACAACCGATGACAAC
CGCCCTTGAGCAGGCTGAGCAAAGCCAGCAGCAGGGCCAGGCTGATGATCTCACCATA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_153465
Insert Size:	1323 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_153465.2 , NP_703195.2
RefSeq Size:	1617 bp
RefSeq ORF:	1323 bp
Locus ID:	29601
Cytogenetics:	2q34
Gene Summary:	mutation responsible for the formation of cataracts [RGD, Feb 2006]