

Product datasheet for **RR203586**

Gja8 (NM_153465) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Gja8 (NM_153465) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Gja8 |
| Synonyms: | Cx50 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR203586 representing NM_153465
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGACTGGAGTTTCCAGGAAACATCTTGAAGAGGTGAATGAACATTCCACCGTCATCGGCAGAG
 TTTGGCTCACGGTGCTTTTCATCTTCCGCATCCTCATCCTTGGCACCGCAGCCGAGTTTGTGTGGGCGA
 TGAGCAATCTGATTTTGTATGCAACACCCAGCAGCCAGGTTGTGAGAACGCTCTGCTATGATGAGGCCTTT
 CCCATCTCGCACATCCGCCTCTGGGTCCTGCAGATCATCTTCGTCTCCACTCCATCGCTGATGTACGTGG
 GGCACGCGGTACACCAGTTTCGCATGGAGGAGAAGCGAAAGGACCGTGAGGCTGAGGAGCTCTGTACGA
 GTCTCGCAGCAACGGGGGTGAGAGGTTACCAATCGCCCCAGACCAGGCCAGCATCAGGAAGAGCAGCAGC
 AGTAGCAAAGGCACCAAGAAGTTCGGCTGGAGGGCACACTGCTAAGGACCTATGTCTGCCACATCATCT
 TCAAGACCCTCTTGGAGTGGGCTTCATCGTGGGCCATTACTTCCTGTATGGTTTCCGCATCCTGCCCT
 CTATCGCTGCAGCCGGTGCCCTGCCCAATGTGGTGGACTGCTTTGTGTCCCGCTACTGAGAAAACC
 ATCTTCATCCTTTCATGTTGTCCGTTGCTTTTGTGTCCCTTCTCCTCAACATCATGGAGATGAGCCACC
 TGGCATGAAGGGAATCCGGTCTGCCTTCAAGAGGCTGCAGAGCAACCACTGGGGGAGATTGCCGAGAA
 GTCCCTCCACTCCATTGCAGTTTCTCCATCCAGAAAGCCAAGGGCTACCAGCTCCTAGAAGAAGAGAAG
 ATCGTTTACACTATTTCCCTTTGACGGAGGTTGGAATGGTGGAGACCAGCCCCGTGACGCCAAGCCTT
 TTAGTCAGTTTGGAGAGAAGATCGGCACAGGCCCTGGCAGATATGTCACGGGTTACCAAGAAACCTT
 GCCTTCTTATGCTCAGGTGGGGGCCAGGAAGTGGAGCGGAAGAGCAGCCCGTAGAGGAGGCTGTGGAA
 CCGGAATTGGGAGAGAAGAAGCAAGAAGCAGAGAAGGTGGCCCCGAAGGGCAGGAGACGGTTGCAGTGC
 CAGACGGGGAGAAAAGTAGAGACCCTGGGATAGGGAAGGATGATGAGAAAGAAGAGCTGCAAGCTGAAAA
 GGTAACCAAGCAAGGGCTGTCTGCAGAGAAAGCGCCACACTCTGTCCAGAGCTGACAACCGATGACAAC
 CGGCCCTTGAGCAGGCTGAGCAAAGCCAGCAGCAGGGCCAGGTCTGATGATCTCACCATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203586 representing NM_153465
 Red=Cloning site Green=Tags(s)

MGDWSFQGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFCVNTQQPGCENVCYDEAF
 PISHIRLWVLIIFVSTPSLMYVGHAVHHVRMEEKRKDREAELCQQSRNNGGERVPIAPDQASIRKSSS
 SSKGTTKFRLEGTLLRITYVCHIIFKTLFEVGFIVGHYFLYGFRIPLPYRCSRWPCPNVDFVSRPTEKT
 IFILFMLSVAFVSLFLNIMEMSHLGMKGIIRSAFKRPAEQPLGEIAEKSLHSIAVSSIQKAKGYQLLEEEK
 IVSHYFPLTEVGMVETSPLSAKPFQFEKIGTGPLADMSRGYQETLPSYAQVGAQEVEREEQPVEEAVE
 PELGEKKQEAEKVAPEGQETVAVPDGEKVETPGVGKDDKEELQAEKVTKQGLSAEKAPTLCPFLTDDN
 RPLSRLSKASSRARSDDLTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1950_d02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_153465

ORF Size: 1320 bp

OTI Disclaimer: 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.

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](#)

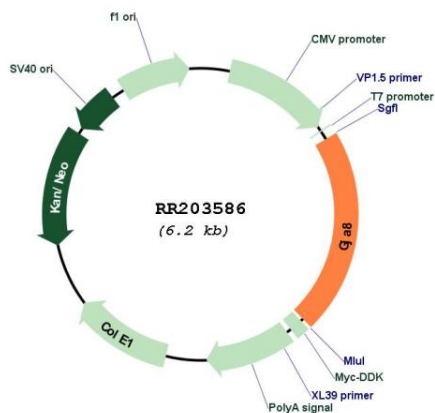
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**
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
 MW: 49.9 kDa
 Gene Summary: mutation responsible for the formation of cataracts [RGD, Feb 2006]

Product images:


Circular map for RR203586