

Product datasheet for MC215790

Gja8 (NM_008123) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gja8 (NM_008123) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gja8
Synonyms:	Aey5; Cnx50; Cx50; Lop10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215790 representing NM_008123 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCGACTGGAGTTTCTGGGAAACATCTTGAAGAGGTGAATGAGCACTCCACTGTCATCGGCAGAG
TCTGGCTCACAGTGTCTTCATCTTCCGCATCCTCATCCTCGGGACAGCAGCGGAGTTGTGTGGGCGCA
TGAGCAATCTGATTTTGTATGCAACACCCAGCAGCCAGGCTGTGAGAATGTCTGCTACGATGAGGCCTTT
CCCATCTCACACATCCGCCTCTGGGTGCTGAGATCATCTTCGTCTCCACTCCATCGCTGATGTAGTG
GGCAGCGGTACACCACGTTTCGCATGGAGGAGAAGCGAAAGGACCGTGAAGCTGAGGAGCTCTGTCAGCA
GTCGCGCAGCAACGGGGGTGAGAGGGTACCAATCGCCCCAGACCAGGCCAGCATCCGGAAGAGCAGCAGC
AGTAGCAAAGGCACCAAGAAGTCCGGCTGGAGGGCACACTGCTAAGGACCTATGTCTGCCACATCATCT
TCAAGACCCTCTTTGAGGTGGGCTTCATCGTGGGCCATTACTTCCTGTATGGTTTCCGCATCCTGCCCT
CTATCGCTGCAGCCGGTGGCCCTGCCCAATGTGGTAGACTGCTTTGTATCCCGCCTACTGAGAAGACC
ATCTTCATCCTCTTCATGTTATCAGTCGCTTTTGTGTCACTTTCCTCAACATCATGGAGATGAGCCACC
TGGGCATGAAAGGAATCCGGTCTGCCTTCAAGAGGCTGTAGAGCAACCACTGGGGGAGATTGCTGAGAA
GTCCCTCCACTCCATTGCAGTTTCTCCATCCAGAAAGCCAAGGGCTACCAGCTTCTAGAAGAAGAGAAG
ATCGTATCACACTATTTCCCTTTGACAGAGGTTGGAATGGTGGAGACCAGCCCTCTTTCCGCCAAGCCTT
TTAGTCAGTTTGGAGAGAAGATCGGCACAGGACCCTGGCAGATATGTCACGGAGTTACCAAGAAACCTT
GCCTTCTATGCTCAGGTGGGGTCCAGGAAGTGGAGCGGGAAGAGCCGCTATAGAAGAGGCTGTGGAA
CCGGAAGTGGGAGAGAAGAAGCAAGAAGCAGAGAAGGTGGCCCCAGAAGGGCAGGAGACAGTTGCAGTGC
CAGACAGGGAGAGAGTAGAGACCCTGGAGTGGGAAGGAGGATGAGAAAGAAGAGCTGCAAGCTGAAAA
GGTAACCAAGCAAGGGCTGTCTGCTGAGAAGGCACCCTCACTCTGTCCGGAGCTGACAACCGATGACAA
CGCCCTTGAGCAGGCTGAGTAAAGCCAGCAGCAGGGCCAGGTCAGATGATCTCACCATA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008123
Insert Size:	1323 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).
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:	<u>NM_008123.3</u> , <u>NP_032149.1</u>
RefSeq Size:	6989 bp
RefSeq ORF:	1323 bp
Locus ID:	14616
UniProt ID:	<u>P28236</u>
Cytogenetics:	3
Gene Summary:	Structural component of eye lens gap junctions (PubMed:1325220). 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:1325220).[UniProtKB/Swiss-Prot Function]