

Product datasheet for RN202517

Gja5 (NM_019280) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gja5 (NM_019280) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gja5
Synonyms:	Cx40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202517 representing NM_019280 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGACTGGAGCTTCTGGGGAGTTCCTGGAGGAGGTCCACAAGCACTCTACGGTCATCGGCAAGG
TCTGGCTACCGTCTGTTCATTTCCGCATGCTGGTCTCGGCACCGCTGCTGAGTCTCTGGGGAGA
TGAGCAGGCTGATTTCCGGTGTGATACCATTACGCTGGTTGCCAAAATGTCTGTACGACCAAGCCTTC
CCCATCTCCACATTCGTTACTGGTACTGCAGATCATCTTTGTGTCCACACCATCTCTGGTGTACATGG
GCCACGCCATGCACACTGTGCGCATGCAGGAAAAGCAGAAGCTGCGGGAGGCTGAGAAAGCTAAAGAGGC
CGGTGGCACCGGCACCTATGAGTACTTGGCGGAGAAAGCCGAGCTGTCTGCTGGAAGAGGTGAACGGG
AAGATTGTCTCCAGGGCACCTACTCAACACCTATGTCTGCACCATTCTCATCCGACCCGCTATGGAGG
TGGCCTTCATGGTGGGCCAGTACCTCTCTATGGGATCTTCTGGACACCCTGCATGTCTGCCGAGAAG
TCCCTGTCCCCACCCGTCAACTGTTATGTCTCGAGGCCACAGAGAAGAAGCTTTCATTTGTCTTTATG
ATGGCTGTGGCTGGACTGTCTCTGTTTCTCAGCCTGGCTGAACCTACCACCTGGGCTGGAAGAAGATCC
GACAGCGCCTGGCCAAGTACGGCAGGGTGACAAGCACCAGCTTCTTGGCCCTCCACCAGCCTGGTCCA
GGGCCTCACTCCTCCTGACTTCAACCAGTGCCTAAAGAAGCAGCCAGATGAGAAATCTTCAGTGAC
TTCAGTAATAACATGGGCTCCCGAAGAATCCAGACCCTCTGGCCACTGAGGAAGTGCCAACAGGAGG
AGATCCCGGAGGAAGGTTTCATCCACACACAGTATGGCCAGAAGCCGAGCAGCCAGTGGCGCCTCTGC
AGGCCACCGCTTTCTCAGGGCTACCACAGTGACAAGCGCCGCTTAGTAAGGCCAGCAGCAAAGCAAGG
TCAGATGACCTGTCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_019280
Insert Size:	1071 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:	NM_019280.1 , NP_062153.1
RefSeq Size:	3115 bp
RefSeq ORF:	1071 bp
Locus ID:	50563
UniProt ID:	P28234
Cytogenetics:	2q34
Gene Summary:	forms intercellular connoxin channels in gap junctions; mediates cell-cell communication [RGD, Feb 2006]