

Product datasheet for **RN211348**

Glra2 (NM_012568) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glra2 (NM_012568) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Glra2
Synonyms:	RNNEOGLY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211348 representing NM_012568
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCGGCAGCTAGTGAACATTTTGACAGCCTTGTTCATTTTCTTAGGGACAACCACCTTCAGGG
 AAGCATTCTGCAAAGACCATGACTCCAGGTCTGGAAAACATCCCTCGCAGACCCTGTCTCCTTCAGATTT
 CTTGGATAAACTAATGGGAAGGACATCAGGATATGATGCAAGAATCAGGCCAAATTTTAAAGTCCCTCCA
 GTAACGTTACTTGCAATATTTTATCAACAGTTTTGGATCGGTCACAGAAAACCACCATGGACTACCGAG
 TGAACATTTTTCTGAGACAGCAGTGAACGATTACGGCTGGCATACAGTGAGTACCCAGATGATTCCTT
 GGATTTGGATCCATCGATGCTGGATTGATTTGGAAAACAGATTTGTTCTTTGCCAATGAGAAAGGAGCC
 AATTTCCATGATGTCACCACTGATAACAAGTTGCTGCGGATTTCCAAAAATGGCAAAGTCTCTACAGTA
 TTAGACTCACCTTGACTTTATCCTGTCCATGGACCTGAAGAAGTTTCCAATGGATGTCAGACCTGTAC
 AATGCAGCTGGAGAGTTTTGGGTACACCATGAATGACCTGATATTTGAGTGGTTAAGTGATGGTCCAGTA
 CAAGTTGCTGAAGGACTCACCTGCCTCAGTTTATTTTGAAGAAGAGAAGGAAGTGGCTATTGCACAA
 AGCATTACAACACTGGCAAGTTTACCTGCATTGAGGTCAAGTTTACCTGGAACGCCAGATGGGCTATTA
 TTTGATCCAGATGATATCCCCAGCCTGCTGATAGTCATTTTGTCTGGGTCTCCTTTTGGATAAACATG
 GATGCAGCTCCTGCCAGGGTTGCCCTTGGCATCACAACCGTCTGACAATGACTACCCAGAGTTCAGGTT
 CCAGGGCATCTCTGCCAAAGTCTCATATGTGAAAGCAATTGACATCTGGATGGCAGTGTGCCTTCTGTT
 TGTGTTTGTCTGCCTTACTGGAATATGCAGCAGTGAAGTTTGTCTCCAGGCAACACAAGGAGTTCCTTCGT
 CTCCGGAGACGACAGAAGAGGCAGAATAAGGAAGAAGATGTTACTCGTGAAGCCGTTTTAACTTCAGCG
 GTTATGGGATGGTCACTGCCTCCAAGTGAAGATGGTACAGCTGTCAAGGCTACACCTGCCAACCCACT
 TCCGCAACCCCAAAAGATGCAGATGCTATCAAGAAGAAGTTTGTGGATCGGGCAAAAAGAATCGACACC
 ATATCTCGAGCTGCCTTCCCACTGGCCTTCTCATTCTTTCAACATCTTTTACTGGATCACATACAAGATCA
 TTCGGCATGAAGATGTCCACAAGAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1933_g03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012568

Insert Size: 1359 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](#)

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_012568.2</u> , <u>NP_036700.1</u>
RefSeq Size:	3164 bp
RefSeq ORF:	1359 bp
Locus ID:	24397
UniProt ID:	<u>P22771</u>
Cytogenetics:	Xq14
Gene Summary:	glycine gated chloride channel; displays strychnine-sensitive ion channel activity; may play a role in synaptogenesis [RGD, Feb 2006]