

Product datasheet for **RN210096**

Glra1 (NM_013133) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glra1 (NM_013133) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Glra1
Synonyms:	GLYRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210096 representing NM_013133
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACAGCTTCAACACTCTGCGATTCTACCTTTGGGAGACCATTGTATTCTTCAGCCTTGCTGCTTCCA
 AAGAGGCTGACGCTGCCGCTCTGCACCCAAGCCTATGTACCCTCGACTTCTGGATAAGCTTATGGG
 AAGGACTTCTGGGTATGATGCCAGGATCAGACCAACTTTAAAGTCTCCTGTGAACGTGAGTTGCAAC
 ATCTTCATCAACAGCTTTGGTTCTATCGCCGAGACAACCATGGACTACAGGGTCAACATCTTCTGAGGC
 AGCAGTGGAAACGACCCCGTCTCGCCTACAATGAATATCCTGACGACTCTCTGGACCTTGACCCATCCAT
 GTTGGATTCCATCTGGAAGCCTGACTTGTCTTTGCCAATGAGAAGGGGGCCCACTTCCACGAGATCACC
 ACGGACAACAAGCTGCTGAGAATCTCCCGAACGGCAACGTCCTCTACAGCATCAGAATCACCTGACTC
 TGGCCTGCCCCATGGACCTGAAGAATTTCCCGATGGACGTACAGACATGTATCATGCAACTGGAAAGCTT
 TGTTTATACCATGAACGACCTCATCTTTGAGTGGCAAGAGCAAGGAGCTGTGCAGGTGGCAGATGGACTG
 ACCTGCCTCAGTTTATCCTGAAGGAAGAGAAGGATCTGAGATACTGCACCAAGCACTACAACACAGGTA
 AATTCACCTGCATTGAGGCCGATTCCACCTGGAACGGCAGATGGGCTACTACCTGATCCAGATGTACAT
 CCCCAGCTGCTTATCGTCATCCTGTCTGATCTCCTTCTGGATCAACATGGATGCTGCACCAGCTCGT
 GTGGGACTGGGCATCACACAGTGTCCACATGACCACACAGAGCTCTGGCTCCCGAGCCTCCCTACCCA
 AGGTGTCTACGTGAAAGCTATTGACATCTGGATGGCTGTTTGCCTGCTTTCGTGTTCTCGGCCCTGCT
 GGAATATGCCGCTGTCAACTTTGTGTCCCGCAACACAAGGAACCTCTCGATTTAGGAGGAAGCGGCGA
 CATCACAAGGATGATGAGGGTGGAGAAGGCCGTTCAACTTCTCCGCCTATGGGATGGGCCAGCCTGCC
 TGCAAGCCAAGGATGGCATCTCTGTCAAGGGTGCCAACAACAACACCACGAACCCCGCTCTGCACC
 GTCCAAGTCCCGGAGGAGATGCCGAAACTCTTCATCCAGAGAGCCAAGAAGATCGACAAAATATCTCGC
 ATCGGTTTCCCATGGCCTTCTCATCTTCAACATGTTCTACTGGATCATCTACAAGATCGTCCGGAGAG
 AGGACGTCACAACAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1921_d04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_013133

Insert Size: 1350 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_013133.1</u> , <u>NP_037265.1</u>
RefSeq Size:	2125 bp
RefSeq ORF:	1350 bp
Locus ID:	25674
UniProt ID:	<u>P07727</u>
Cytogenetics:	10q22
Gene Summary:	glycine receptor strychnine binding subunit; generates glycine gated strychnine sensitive chloride current in the central nervous system [RGD, Feb 2006]