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Product datasheet for MC215910

Glra2 (NM_183427) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glra2 (NM_183427) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glra2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC215910 representing NM_183427
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACCGGCAGCTAGTGAACATTTTGACAGCCTTGTTTGCATTTTTCTTAGGGACAAACCACTTCAGGG
AAGCTTTCTGCAAAGACCATGACTCCAGGTCTGGAAAACATCCCTCGCAGACCCTATCTCCTTCAGATTT
CTTGGATAAATTAATGGGAAGAACATCAGGATATGATGCAAGAATCAGGCCAAATTTTAAAGGTCCTCCA
GTAAACGTTACTTGCAATATTTTTATCAACAGTTTTGGATCAGTCACAGAAACCACCATGGACTACCGAG
TGAACATTTTTCTGAGACAGCAGTGGAATGATTCACGGCTGGCATACAGTGAGTACCCAGATGATTCCCT
GGATTTGGATCCCTCAATGTTGGATTCGATTTGGAAACCGGATTTGTTCTTTGCCAATGAAAAGGGTGCC
AATTTCCATGATGTCACCACTGACAACAAGTTGTTGCGGATTTCCAAAAATGGCAAAGTGCTCTACAGTA
TTAGACTCACCTTGACTTTATCTTGTCCAATGGACCTGAAGAACTTTCCAATGGATGTCCAGACCTGTAC
AATGCAGCTGGAGAGTTTTGGGTACACCATGAATGACCTGATATTTGAGTGGTTAAGTGATGGTCCAGTA
CAAGTTGCTGAAGGACTCACCTTGCCCCAGTTTATTTTGAAAGAAGAGAAGGAGCTTGGTTATTGCACAA
AGCATTACAACACTGGCAAGTTTACCTGCATTGAGGTCAAGTTTCACCTGGAGCGCCAGATGGGCTACTA
TTTGATCCAGATGTACATCCCCAGCCTGTTGATAGTCATTTTGTCCTGGGTCTCCTTTTGGATAAACATG
GATGCAGCCCCTGCCAGGGTTGCCCTGGGCATCACAACAGTCCTGACAATGACTACACAGAGTTCAGGTT
CCAGGGCATCTCTGCCAAAGGTCTCCTATGTGAAAGCAATTGACATCTGGATGGCGGTATGCCTTCTCTT
TGTGTTTGCTGCCTTACTGGAATATGCAGCAGTGAACTTTGTCTCCAGGCAACATAAGGAGTTCCTTCGT
CTCCGGAGACGACAGAAGAGGCAGAATAAGGAAGAAGATGTTACTCGTGAAAGTCGTTTTAACTTCAGTG
GCTATGGGATGGGTCACTGCCTCCAAATGAAAGATGGCACAGCTGTCAAGGCTACACCTGCCAACCCACT
TCCACAACCCCCCAAAGATGCAGATGCTATCAAGAAGAAGTTTGTGGATCGGGCAAAAAGAATTGACACC
ATATCTCGAGCTGCCTTCCCACTGGCCTTCCTCATTTTCAACATCTTTTACTGGATCACATACAAGATCA
TTCGGCATGAAGATGTCCACAAGAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2129_c09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_183427

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:	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:	BC068987, AAH68987
RefSeq Size:	2775 bp
RefSeq ORF:	1359 bp
Locus ID:	237213
UniProt ID:	Q7TNC8
Cytogenetics:	X 76.75 cM
Gene Summary:	Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine. Channel opening is also triggered by taurine and beta-alanine. Plays a role in the down-regulation of neuronal excitability. Contributes to the generation of inhibitory postsynaptic currents. Plays a role in cellular responses to ethanol. [UniProtKB/Swiss-Prot Function] Transcript Variant: Variants 1 and 2 encode the same isoform (a). Isoforms and b are the same length but differ in their sequence.