

Product datasheet for RC209260L3

OriGene Technologies, Inc.

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GABA A Receptor gamma 2 (GABRG2) (NM_198904) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GABA A Receptor gamma 2 (GABRG2) (NM_198904) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GABA A Receptor gamma 2

Synonyms: CAE2; DEE74; ECA2; EIEE74; FEB8; GEFSP3

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

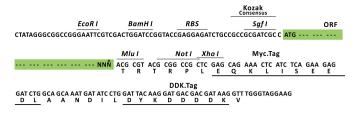
The ORF insert of this clone is exactly the same as(RC209260).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_198904

ORF Size: 1425 bp



GABA A Receptor gamma 2 (GABRG2) (NM_198904) Human Tagged Lenti ORF Clone - RC209260L3

OTI Disclaimer: 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 198904.1</u>

 RefSeq Size:
 3871 bp

 RefSeq ORF:
 1428 bp

 Locus ID:
 2566

 UniProt ID:
 P18507

Cytogenetics: 5q34

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 50.8 kDa

Gene Summary: This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory

neurotransmitter in the mammlian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different

isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]