

Product datasheet for RC207208L1

OriGene Technologies, Inc.

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GABA A Receptor alpha 4 (GABRA4) (NM_000809) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GABA A Receptor alpha 4 (GABRA4) (NM_000809) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GABA A Receptor alpha 4

Mammalian Cell None

Selection:

Vector: pLenti-C-Myc-DDK (PS100064)

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

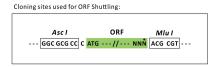
ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC207208).

Sequence:

Restriction Sites: Ascl-Mlul

Cloning Scheme:





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

ACCN: NM_000809

ORF Size: 1662 bp



GABA A Receptor alpha 4 (GABRA4) (NM_000809) Human Tagged Lenti ORF Clone - RC207208L1

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 000809.3</u>

RefSeq Size: 11987 bp
RefSeq ORF: 1665 bp
Locus ID: 2557

UniProt ID: P48169

Cytogenetics: 4p12

Domains: Neur_chan_memb, Neur_chan_LBD

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

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 61.6 kDa

Gene Summary: Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian

brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified. This gene encodes subunit alpha-4, which is involved in the etiology of autism and

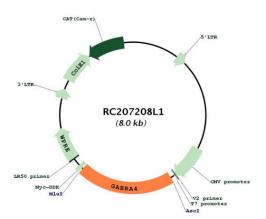
eventually increases autism risk through interaction with another subunit, gamma-

aminobutyric acid receptor beta-1 (GABRB1). Alternatively spliced transcript variants encoding

different isoforms have been found in this gene.[provided by RefSeq, Feb 2011]



Product images:



Circular map for RC207208L1