

### Product datasheet for RC223410L1

#### OriGene Technologies, Inc.

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## GABA A Receptor alpha 6 (GABRA6) (NM\_000811) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: GABA A Receptor alpha 6 (GABRA6) (NM\_000811) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GABA A Receptor alpha 6

Mammalian Cell None

Selection:

Vector:

pLenti-C-Myc-DDK (PS100064)

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

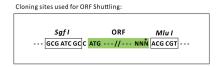
**ORF Nucleotide** 

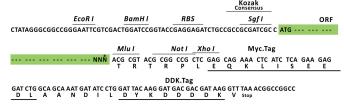
The ORF insert of this clone is exactly the same as(RC223410).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_000811

ORF Size: 1359 bp



#### GABA A Receptor alpha 6 (GABRA6) (NM\_000811) Human Tagged Lenti ORF Clone - RC223410L1

**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 000811.1</u>

RefSeq Size: 1732 bp
RefSeq ORF: 1362 bp
Locus ID: 2559
UniProt ID: Q16445

Cytogenetics: 5q34

**Domains:** Neur\_chan\_memb, Neur\_chan\_LBD

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

**Protein Pathways:** Neuroactive ligand-receptor interaction

MW: 51.02 kDa

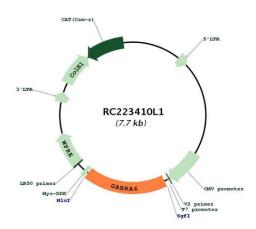
**Gene Summary:** GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-

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. [provided by

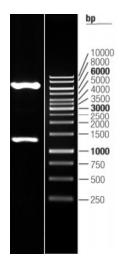
RefSeq, Jul 2008]



# **Product images:**



Circular map for RC223410L1



Double digestion of RC223410L1 using Sgfl and Mlul  $\,$