

## OriGene Technologies, Inc.

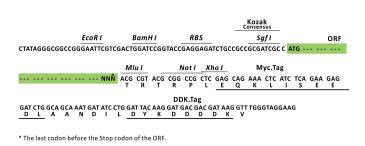
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Product datasheet for RC228910L3

## GABA A Receptor alpha 5 (GABRA5) (NM\_001165037) Human Tagged Lenti ORF Clone

## **Product data:**

Product Type:	Expression Plasmids		
Product Name:	GABA A Receptor alpha 5 (GABRA5) (NM_001165037) Human Tagged Lenti ORF Clone		
Tag:	Myc-DDK		
Symbol:	GABA A Receptor alpha 5		
Synonyms:	DEE79; EIEE79		
Mammalian Cell Selection:	Puromycin		
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)		
E. coli Selection:	Chloramphenicol (34 ug/mL)		
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228910).		
<b>Restriction Sites:</b>	Sgfl-Mlul		
Cloning Scheme:			
	Cloning sites used for ORF Shuttling:		
	Sgf1         ORF         Mlu I            GCG ATC GC[C         ATG //         NNN         ACG CGT		



ACCN:	NM_001165037
ORF Size:	1386 bp



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GABA A Receptor alpha 5 (GABRA5) (NM_001165037) Human Tagged Lenti ORF Clone – RC228910L3	
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. <u>More info</u>
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 Meth	<ul> <li>od: 1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ul>
RefSeq:	<u>NM 001165037.1, NP 001158509.1</u>
RefSeq ORF:	1389 bp
Locus ID:	2558
UniProt ID:	<u>P31644</u>
Cytogenetics:	15q12
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	52.15 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. Transcript variants utilizing three different alternative non-coding first exons have been described. [provided by RefSeq, Jul 2008]

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