

Product datasheet for **RC219404L4V**

GABA B Receptor 2 (GABBR2) (NM_005458) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GABA B Receptor 2 (GABBR2) (NM_005458) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GABA B Receptor 2
Synonyms:	DEE59; EIEE59; GABABR2; GPR51; GPRC3B; HG20; HRIHFB2099; NDPLHS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005458
ORF Size:	2823 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219404).
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.
RefSeq:	NM_005458.5
RefSeq Size:	5786 bp
RefSeq ORF:	2826 bp
Locus ID:	9568
UniProt ID:	O75899
Cytogenetics:	9q22.33
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction



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MW: 105.8 kDa

Gene Summary: The multi-pass membrane protein encoded by this gene belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence.[provided by RefSeq, Jan 2010]