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Product datasheet for RC217134L2V

beta 1 Adrenergic Receptor (ADRB1) (NM_000684) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	beta 1 Adrenergic Receptor (ADRB1) (NM_000684) Human Tagged ORF Clone Lentiviral Particle
Symbol:	beta 1 Adrenergic Receptor
Synonyms:	ADRB1R; B1AR; BETA1AR; FNSS2; RHR
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000684
ORF Size:	1431 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217134).
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_000684.1
RefSeq Size:	1723 bp
RefSeq ORF:	1434 bp
Locus ID:	153
UniProt ID:	P08588
Cytogenetics:	10q25.3
Protein Families:	Druggable Genome, GPCR, Transmembrane

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Protein Pathways:	Calcium signaling pathway, Dilated cardiomyopathy, Endocytosis, Gap junction, Neuroactive ligand-receptor interaction
MW:	51 kDa
Gene Summary:	The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Beta-1 adrenoceptors are predominately located in the heart. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure. [provided by RefSeq, Sep 2019]