

Product datasheet for **RC212791L1V**

CHRM2 (NM_000739) Human Tagged ORF Clone Lentiviral Particle

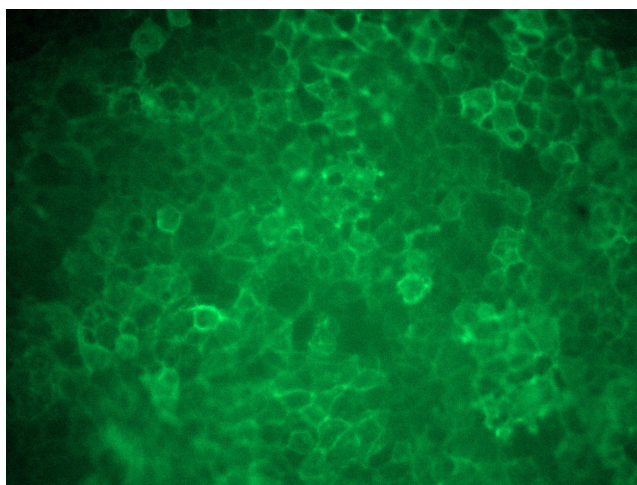
Product data:

Product Type:	Lentiviral Particles
Product Name:	CHRM2 (NM_000739) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CHRM2
Synonyms:	HM2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000739
ORF Size:	1398 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212791).
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_000739.2
RefSeq Size:	2530 bp
RefSeq ORF:	1401 bp
Locus ID:	1129
UniProt ID:	P08172
Cytogenetics:	7q33
Protein Families:	Druggable Genome, GPCR, Transmembrane



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Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton
MW:	51.5 kDa
Gene Summary:	The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylyate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:

[RC212791L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC212791L1V particle to overexpress human CHRM2-Myc-DDK fusion protein.