

Product datasheet for **MR212131L4V**

Chrm2 (NM_203491) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Chrm2 (NM_203491) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Chrm2
Synonyms:	AChR-M2; Chrm-2; M2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_203491
ORF Size:	1398 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212131).
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_203491.3 , NP_987076.2
RefSeq Size:	1401 bp
RefSeq ORF:	1401 bp
Locus ID:	243764
UniProt ID:	Q9ERZ4
Cytogenetics:	6 B1



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Gene Summary:

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3); this then triggers calcium ion release into the cytosol (By similarity).[UniProtKB/Swiss-Prot Function]