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# Product datasheet for RC214127L4V

## Muscarinic Acetylcholine Receptor M4 (CHRM4) (NM_000741) Human Tagged ORF Clone Lentiviral Particle

### Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Muscarinic Acetylcholine Receptor M4 (CHRM4) (NM_000741) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Muscarinic Acetylcholine Receptor M4 |
| **Synonyms:** | HM4; M4R |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_000741 |
| **ORF Size:** | 1437 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC214127). |
| **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_000741.2 |
| **RefSeq Size:** | 1468 bp |
| **RefSeq ORF:** | 1440 bp |
| **Locus ID:** | 1132 |
| **UniProt ID:** | P08173 |
| **Cytogenetics:** | 11p11.2 |
| **Protein Families:** | Druggable Genome |

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|---|---|
| **Protein Pathways:** | Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton |
| **MW:** | 52.9 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 and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The clinical implications of this receptor are unknown; however, mouse studies link its function to adenylyl cyclase inhibition. [provided by RefSeq, Jul 2008] |