# Product datasheet for MR222657L4V

## Kcnq5 (NM_023872) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Kcnq5 (NM_023872) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Kcnq5 |
| **Synonyms:** | 7730402H11; 9230107O05Rik; AA589396; D1Mgi1 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_023872 |
| **ORF Size:** | 2799 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR222657). |
| **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_023872.3, NP_076361.1 |
| **RefSeq Size:** | 6935 bp |
| **RefSeq ORF:** | 2802 bp |
| **Locus ID:** | 226922 |
| **UniProt ID:** | Q9JK45 |
| **Cytogenetics:** | 1 A4 |

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**Gene Summary:** Associates with KCNQ3 to form a potassium channel which contributes to M-type current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons. Therefore, it is important in the regulation of neuronal excitability. May contribute, with other potassium channels, to the molecular diversity of a heterogeneous population of M-channels, varying in kinetic and pharmacological properties, which underlie this physiologically important current. [UniProtKB/Swiss-Prot Function]