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# Product datasheet for RC221063L4V

## CNG3 (CNGA3) (NM_001298) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | CNG3 (CNGA3) (NM_001298) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | CNG3 |
| **Synonyms:** | ACHM2; CCNC1; CCNCa; CCNCalpha; CNCG3; CNG3 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001298 |
| **ORF Size:** | 2082 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC221063). |
| **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_001298.1 |
| **RefSeq Size:** | 3848 bp |
| **RefSeq ORF:** | 2085 bp |
| **Locus ID:** | 1261 |
| **UniProt ID:** | Q16281 |
| **Cytogenetics:** | 2q11.2 |
| **Domains:** | cNMP, ion_trans |
| **Protein Families:** | Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane |

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**Protein Pathways:** Olfactory transduction

**MW:** 78.8 kDa

**Gene Summary:** This gene encodes a member of the cyclic nucleotide-gated cation channel protein family which is required for normal vision and olfactory signal transduction. Mutations in this gene are associated with achromatopsia (rod monochromacy) and color blindness. Two alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]