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# Product datasheet for RC213098L4V

## TMEM16A (ANO1) (NM_018043) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TMEM16A (ANO1) (NM_018043) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | TMEM16A |
| **Synonyms:** | DOG1; ORAOV2; TAOS2; TMEM16A |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_018043 |
| **ORF Size:** | 2880 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC213098). |
| **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_018043.4, NP_060513.4 |
| **RefSeq Size:** | 4811 bp |
| **RefSeq ORF:** | 2961 bp |
| **Locus ID:** | 55107 |
| **UniProt ID:** | Q5XXA6 |
| **Cytogenetics:** | 11q13.3 |
| **Domains:** | DUF590 |
| **Protein Families:** | Transmembrane |

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**MW:** 111 kDa

**Gene Summary:** Calcium-activated chloride channel (CaCC) which plays a role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development. [UniProtKB/Swiss-Prot Function]

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