

## Product datasheet for **RC224697L4V**

### Mucolipin 3 (MCOLN3) (NM\_018298) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Mucolipin 3 (MCOLN3) (NM_018298) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Mucolipin 3  |
| Synonyms:                 | TRP-ML3; TRPML3  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_018298  |
| ORF Size:                 | 1659 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC224697).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_018298.9</a> , <a href="#">NP_060768.8</a>  |
| RefSeq Size:              | 2813 bp  |
| RefSeq ORF:               | 1662 bp  |
| Locus ID:                 | 55283  |
| UniProt ID:               | <a href="#">Q8TDD5</a>   |
| Cytogenetics:             | 1p22.3   |
| Protein Families:         | Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane  |
| MW:                       | 64.1 kDa   |



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**Gene Summary:**

This gene encodes one of members of the mucolipin cation channel proteins. Mutation studies of the highly similar protein in mice have shown that the protein is found in cochlea hair cells, and mutant mice show early-onset hearing loss and balance problems. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]