

## Product datasheet for **RC216311L4V**

### CATSPER2 (NM\_172097) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CATSPER2 (NM_172097) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | CATSPER2   |
| Synonyms:                 | MGC33346   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_172097  |
| ORF Size:                 | 597 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC216311).   |
| 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_172097.1</a> , <a href="#">NP_742095.1</a>  |
| RefSeq Size:              | 1678 bp  |
| RefSeq ORF:               | 599 bp   |
| Locus ID:                 | 117155   |
| Cytogenetics:             | 15q15.3  |
| Protein Families:         | Druggable Genome, Ion Channels: Other, Transmembrane   |
| MW:                       | 23.3 kDa   |



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**Gene Summary:**

This gene encodes a member of a family of cation channel proteins that localize to the flagellum of spermatozoa. Defects at this locus causes male infertility. Alternatively spliced transcript variants have been observed at this locus. Readthrough transcription originates upstream of this locus in diphosphoinositol pentakisphosphate kinase 1 pseudogene 1 and is represented by GeneID:110006325. Related pseudogenes are found next to this locus on chromosome 15 and on chromosome 5. [provided by RefSeq, Mar 2017]