

## Product datasheet for **RC205363L3V**

### SGCE (NM\_003919) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | SGCE (NM_003919) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | SGCE   |
| Synonyms:                 | DYT11; epsilon-SG; ESG   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_003919  |
| ORF Size:                 | 1311 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC205363).   |
| 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_003919.1</a>  |
| RefSeq Size:              | 1709 bp  |
| RefSeq ORF:               | 1314 bp  |
| Locus ID:                 | 8910   |
| UniProt ID:               | <a href="#">O43556</a>   |
| Cytogenetics:             | 7q21.3   |
| Domains:                  | CADG   |
| Protein Families:         | Transmembrane  |



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**MW:** 49.9 kDa

**Gene Summary:** This gene encodes the epsilon member of the sarcoglycan family. Sarcoglycans are transmembrane proteins that are components of the dystrophin-glycoprotein complex, which link the actin cytoskeleton to the extracellular matrix. Unlike other family members which are predominantly expressed in striated muscle, the epsilon sarcoglycan is more broadly expressed. Mutations in this gene are associated with myoclonus-dystonia syndrome. This gene is imprinted, with preferential expression from the paternal allele. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A pseudogene associated with this gene is located on chromosome 2. [provided by RefSeq, Oct 2016]