

## Product datasheet for **RC211935L4V**

### SLC25A25 (NM\_052901) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | SLC25A25 (NM_052901) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | SLC25A25   |
| Synonyms:                 | MCSC; PCSCL; SCAMC-2   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_052901  |
| ORF Size:                 | 1407 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC211935).   |
| 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_052901.2</a>  |
| RefSeq Size:              | 3240 bp  |
| RefSeq ORF:               | 1410 bp  |
| Locus ID:                 | 114789   |
| UniProt ID:               | <a href="#">Q6KCM7</a>   |
| Cytogenetics:             | 9q34.11  |
| Protein Families:         | Druggable Genome   |
| MW:                       | 52.5 kDa   |



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**Gene Summary:**

The protein encoded by this gene belongs to the family of calcium-binding mitochondrial carriers, with a characteristic mitochondrial carrier domain at the C-terminus. These proteins are found in the inner membranes of mitochondria, and function as transport proteins. They shuttle metabolites, nucleotides and cofactors through the mitochondrial membrane and thereby connect and/or regulate cytoplasm and matrix functions. This protein may function as an ATP-Mg/Pi carrier that mediates the transport of Mg-ATP in exchange for phosphate, and likely responsible for the net uptake or efflux of adenine nucleotides into or from the mitochondria. Alternatively spliced transcript variants encoding different isoforms with a common C-terminus but variable N-termini have been described for this gene. [provided by RefSeq, Jul 2012]