

## OriGene Technologies, Inc.

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## Product datasheet for RC229740L3V

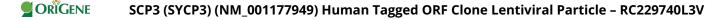
## SCP3 (SYCP3) (NM\_001177949) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

| Product Type:                | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:                | SCP3 (SYCP3) (NM_001177949) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                    |
| Symbol:                      | SCP3                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms:                    | COR1; RPRGL4; SCP3; SPGF4                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mammalian Cell<br>Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Vector:                      | pLenti-C-Myc-DDK-P2A-Puro (PS100092)                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tag:                         | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ACCN:                        | NM_001177949                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ORF Size:                    | 708 bp                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(RC229740).                                                                                                                                                                                                                                                                                                                                                                            |
| 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. <u>More info</u> |
| 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:                      | <u>NM 001177949.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:                  | 711 bp                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Locus ID:                    | 50511                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt ID:                  | <u>Q8IZU3</u>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:                | 12q23.2                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:                          | 28.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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Gene Summary:This gene encodes an essential structural component of the synaptonemal complex. This<br/>complex is involved in synapsis, recombination and segregation of meiotic chromosomes.<br/>Mutations in this gene are associated with azoospermia in males and susceptibility to<br/>pregnancy loss in females. Alternate splicing results in multiple transcript variants that<br/>encode the same protein. [provided by RefSeq, May 2010]

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