

## Product datasheet for **MR209116L3V**

### Shoc2 (NM\_001168505) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | Shoc2 (NM_001168505) Mouse Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                    |
| Symbol:                   | Shoc2                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | AU017287; mKIAA0862; Sur8                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag:                      | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCN:                     | NM_001168505                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:                 | 1746 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR209116).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_001168505.1</a> , <a href="#">NP_001161977.1</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq Size:              | 4075 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 1749 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 56392                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:               | <a href="#">O88520</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 19 D2                                                                                                                                                                                                                                                                                                                                                                                                                                              |


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**Gene Summary:**

Regulatory subunit of protein phosphatase 1 (PP1c) that acts as a M-Ras/MRAS effector and participates in MAPK pathway activation. Upon M-Ras/MRAS activation, targets PP1c to specifically dephosphorylate the 'Ser-259' inhibitory site of RAF1 kinase and stimulate RAF1 activity at specialized signaling complexes.[UniProtKB/Swiss-Prot Function]