

## Product datasheet for **MR207344L3V**

### Proc (NM\_001042768) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Proc (NM_001042768) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Proc   |
| Synonyms:                 | P; PC  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001042768   |
| ORF Size:                 | 1383 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR207344).   |
| 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_001042768.1</a> , <a href="#">NP_001036233.1</a>  |
| RefSeq Size:              | 1671 bp  |
| RefSeq ORF:               | 1410 bp  |
| Locus ID:                 | 19123  |
| Cytogenetics:             | 18 B1  |



[View online »](#)

**Gene Summary:**

This gene encodes the vitamin K-dependent protein C, which plays a vital role in the anticoagulation pathway. The encoded protein undergoes proteolytic processing including activation by thrombin-thrombomodulin complex to form the anticoagulant serine protease that degrades activated coagulation factors. A complete lack of the encoded protein in mice results in severe perinatal consumptive coagulopathy in the brain and liver, resulting in death within 24 hours after birth. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate the mature protein. [provided by RefSeq, Sep 2015]