

## Product datasheet for **RC200550L4V**

### PSMG1 (NM\_003720) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PSMG1 (NM_003720) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | PSMG1  |
| Synonyms:                 | C21LRP; DSCR2; LRPC21; PAC-1; PAC1   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_003720  |
| ORF Size:                 | 864 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC200550).   |
| 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_003720.2</a>  |
| RefSeq Size:              | 1140 bp  |
| RefSeq ORF:               | 867 bp   |
| Locus ID:                 | 8624   |
| UniProt ID:               | <a href="#">O95456</a>   |
| Cytogenetics:             | 21q22.2  |
| MW:                       | 32.9 kDa   |



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**Gene Summary:**

Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization.[UniProtKB/Swiss-Prot Function]