

## Product datasheet for **RC221043L4V**

### CPNE1 (NM\_152929) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CPNE1 (NM_152929) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | CPNE1  |
| Synonyms:                 | copine-1; copine I; COPN1; CPN1; MGC1142; OTTHUMP00000030775; OTTHUMP00000030776   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_152929  |
| ORF Size:                 | 1611 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC221043).   |
| 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_152929.1</a> , <a href="#">NP_690906.1</a>  |
| RefSeq Size:              | 2199 bp  |
| RefSeq ORF:               | 1613 bp  |
| Locus ID:                 | 8904   |
| Cytogenetics:             | 20q11.22   |
| MW:                       | 59.1 kDa   |



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**Gene Summary:**

Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the encoded protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. This gene and the gene for RNA binding motif protein 12 overlap at map location 20q11.21. Alternate splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq, Aug 2008]