

## Product datasheet for **MR224886L3V**

### Cadps (NM\_012061) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Cadps (NM_012061) Mouse Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Cadps  |
| Synonyms:                 | AU067781; CAPS; CAPS1; mKIAA1121   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_012061  |
| ORF Size:                 | 4083 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR224886).   |
| 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_012061.3</a> , <a href="#">NP_036191.2</a>  |
| RefSeq Size:              | 5478 bp  |
| RefSeq ORF:               | 4086 bp  |
| Locus ID:                 | 27062  |
| UniProt ID:               | <a href="#">Q80TJ1</a>   |
| Cytogenetics:             | 14 A1  |



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**Gene Summary:**

Calcium-binding protein involved in exocytosis of vesicles filled with neurotransmitters and neuropeptides. Probably acts upstream of fusion in the biogenesis or maintenance of mature secretory vesicles. Regulates catecholamine loading of DCVs. May specifically mediate the Ca(2+)-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles by acting as a PtdIns(4,5)P<sub>2</sub>-binding protein that acts at prefusion step following ATP-dependent priming and participates in DCVs-membrane fusion. However, it may also participate in small clear synaptic vesicles (SVs) exocytosis and it is unclear whether its function is related to Ca(2+) triggering (By similarity).[UniProtKB/Swiss-Prot Function]