# Product datasheet for MR225617L4V

## Cadps2 (NM_153163) Mouse Tagged ORF Clone Lentiviral Particle

## Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Cadps2 (NM_153163) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Cadps2 |
| **Synonyms:** | A230044C21Rik; Caps-2; Caps2; Cpd2 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_153163 |
| **ORF Size:** | 3912 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR225617). |
| **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. More info |
| **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:** | NM_153163.4, NP_694803.3 |
| **RefSeq Size:** | 4969 bp |
| **RefSeq ORF:** | 3915 bp |
| **Locus ID:** | 320405 |
| **Cytogenetics:** | 6 A3.1 |

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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 neurotrophin release from granule cells leading to regulate cell differentiation and survival during cerebellar development. May specifically mediate the Ca(2+)-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles.[UniProtKB/Swiss-Prot Function]