

Product datasheet for **RC202391L2V**

Calcipressin 1 (RCAN1) (NM_203417) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Calcipressin 1 (RCAN1) (NM_203417) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | RCAN1 |
| Synonyms: | ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_203417 |
| ORF Size: | 591 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC202391). |
| 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_203417.1 |
| RefSeq Size: | 2322 bp |
| RefSeq ORF: | 354 bp |
| Locus ID: | 1827 |
| UniProt ID: | P53805 |
| Cytogenetics: | 21q22.12 |
| Protein Families: | Transcription Factors |
| MW: | 22.6 kDa |



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Gene Summary:

The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]