

Product datasheet for **RC214728L4V**

Calcipressin 1 (RCAN1) (NM_203418) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Calcipressin 1 (RCAN1) (NM_203418) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calcipressin 1
Synonyms:	ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_203418
ORF Size:	591 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214728).
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_203418.1
RefSeq Size:	2434 bp
RefSeq ORF:	594 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]