

Product datasheet for **SC215706**

Calcipressin 1 (RCAN1) (NM_004414) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Calcipressin 1 (RCAN1) (NM_004414) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RCAN1
Synonyms:	ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1
ACCN:	NM_004414
Insert Size:	1672 bp



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Insert Sequence: >SC215706 3'UTR clone of NM_004414
The sequence shown below is from the reference sequence of NM_004414. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCGGAGTACACGCCGATCCACCTCAGCTGAAGTGGCACGCGAGGACGATTCCAATCATACTCAC
GGGAGGAATCTTTACTGTGGAGGTGGCTGGTCACGACTTCTTCGGAGGTGGCAGCCGAGATCGGGGTG
GCAGAAATCCCAGTTCATGTTGCTCAGAAGAGAATCAAGGCCGTGTCCTTGTCTAATGCTGCACAC
CAGTTACTGTTTATGGCAGCCGGGAATGACTTGGGCCAATCACTGAGTTTGTGGTGATCGCACAAAGGAC
ATTTGGGACTGTCTTGAGAAAACAGATAATGATAGTGTCTTGTACTTGTCTTTTCTGGTAGGTTCTGT
CTGTGCCAAGGGCAGGTTGATCAGTGAGCTCAGGAGAGAGCTTCTGTTTCTAAGTGGCCTGCAGGGGC
CACTCTCTACTGGTAGGAAGAGGTACCACAGGAAGCCGCTAGTGCAGAGAGGTTGTGAAAACAGCAGC
AATGCAATGTGGAAATTGTAGCGTTTCTTTCTTCCCTCATGTTTCTCATGTTTGTGCATGTATTAAT
GATTTACAAGACTAACCTTTGTTTCGTATATAAAGTTACACCGTTGTTGTTTACATCTTTTGGGAAGCC
AGGAAAGCGTTTGGAAAACGTATCACCTTTCCAGATTCTCGATTCTCGACTCTTTGCAACAGCACTT
GCTTGGCGAACTTCTCTGGAATGCATTCACTCAGCATCCCCAACCGTGCAACGTGTAACCTGTGCTTT
TGCAAAAAGAGTTGATCTGAAATTCCTCTGTAGAATTTAGCTTATACAATTCAGAGAATAGCAGTTTCA
CTGCCAATTTTGTGGGTGAGAAAATTTAGTTTAGGTGTTTGGGATCGGACCTCAGTTTCTGTTGTTT
CTTTTATGTGGTGGTTTCTATACATGAATCATAGCCAAAACCTTTTTGGAACTGTTGGTTGAGATAG
TTGGTTCTTTTACCCACGAAGACATCAAGATACACTTGTAATAAAGCTGATAGCATATATTCATACC
TGTTGTACACTTGGGTGAAAAGTATGGCAGTGGGAGACTAAGATGTATTAACCTACCTGTGAATCATAT
GTTGTAGGAAAAGCTGTTCCCATGTCTAACAGGACTTGAATTCAAAGCATGTCAAGTGGATAGTAGATC
TGTGGCGATATGAGAGGGATGCAGTGCCTTTCCCATTCATTCTGATGGAATTGTATACTAGGTTAA
CATTTGTAATTTTTTCTAGTTGTAATGTGTATGTCTGGTAAATAGGTATTATATTTGGCCTTACAAT
ACCGTAACAATGTTTGTCAATTTGAAATACTTAATGCCAAGTAACAATGCATGCTTTGGAAATTTGGAA
GATGGTTTTATTCTTTGAGAAGCAAATATGTTTGCATTAATGCTTTGATTGTTTCATATCAAGAAATG
ATTGAACGTTCTCAAACCTGTTTACGGTACTTGGTAAGAGGGAGCCGGTTTGGGAGAGACCATTGCAT
CGCTGTCCAAGTGTCTTGTAAAGTGCTTTAAACTGGAGAGGCTAACCTCAAATATTTTTTTAAAC
TGCATTCTATAATAAATGGGCACAGTATGCTCCTTACAGAAAAGTTGTCATTTTATTCTAGAATAAAT
CTGTGAACCTTCTAAA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004414.7](#)

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]

Locus ID: 1827

MW: 63