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Product datasheet for SC335006

Calcipressin 1 (RCAN1) (NM_001285391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calcipressin 1 (RCAN1) (NM_001285391) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCAN1
Synonyms:	ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001285391, the custom clone sequence may differ by one or more nucleotides

ATGAACTCTACCGTCCGCCAGCTCCGCGTTCCTTCGCACGTGCCTCTGCGGGATCCCTCGTGGGAAAGTC
TCAGAAATGTCCCTAAACTGAAGAAAAGCCGGGGAATGCAAGGAGAGCAAGGTCGTAGGTTGTTCCGACT
GCTCCTTAACGACCTGCCTGGCAGGGACCGACTACCCTGCTCCTACCCGCAGCCCCATGTGGAGCAGGCA
TCCACCAGTGCCTCCCCGCGCTTGCTAGCAGTGAACATTCCTGAAGACACTCTCCTCTCTTATCCTGAAT
CCTCGCTCCCACTGCAGAGACACTGCGCCTTCCATAGGTTCTCCAAGGCCAAATTTGAGTCCCTCTTTAG
GACGTATGACAAGGACATCACCTTTCAGTATTTTAAGAGCTTCAAACGAGTCAGAATAAACTTCAGCAAC
CCCTTCTCCGCAGCAGATGCCAGGCTCCAGCTGCATAAGACTGAGTTTCTGGGAAAGGAAATGAAGTTAT
ATTTTGCTCAGACCTTACACATAGGAAGCTCACACCTGGCTCCGCCAAATCCAGACAAGCAGTTTCTGAT
CTCCCCTCCCGCCTCTCCGCCAGTGGGATGGAAACAAGTGGAAGATGCGACCCCAGTCATAAACTATGAT
CTCTTATATGCCATCTCCAAGCTGGGGCCAGGGGAAAAGTATGAATTGCACGCAGCGACTGACACCACTC
CCAGCGTGGTGGTCCATGTATGTGAGAGTGATCAAGAGAAGGAGGAAGAAGAGGAAATGGAAAGAATGAG
GAGACCTAAGCCAAAAATTATCCAGACCAGGAGGCCGGAGTACACGCCGATCCACCTCAGCTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001285391
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001285391.2, NP_001272320.2
RefSeq Size:	2533 bp
RefSeq ORF:	834 bp
Locus ID:	1827
UniProt ID:	P53805
Cytogenetics:	21q22.12
Protein Families:	Transcription Factors
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] Transcript Variant: This variant (5) uses an alternate promoter and 5' exon compared to variant 1. The resulting isoform (e) has a distinct N-terminus compared to isoform a.