

Product datasheet for **SC116477**

DSCR1L1 (RCAN2) (NM_005822) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DSCR1L1 (RCAN2) (NM_005822) Human Untagged Clone
Tag:	Tag Free
Symbol:	DSCR1L1
Synonyms:	CSP2; DSCR1L1; MCIP2; RCN2; ZAKI-4; ZAKI4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005822 edited
 GAATTCGGCAGCAGGTTGGGAGCGGGCTCCAGGAGCCCGAGCCTCCAGCCGTCCTCAGAGC
 AAGGCAGCACCGAGGCCCTGGCCACAGCAATATCCATCTGGAAGCTCTTCCCTTCACTCCC
 AACTCTGAGGTTGCCTAACTCTTTATTAATAAATTCAGAAGGGGAATGCCAGCCCTAGC
 ATGGACTGTGATGTTTCACTCTGGTTGCCTGTGTGGTGGATGTCGAGGTCTTTACCAAT
 CAGGAGGTTAAGGAAAAATTTGAGGGACTGTTTCGGACTTATGATGACTGTGTGACGTTT
 CAGCTATTTAAGAGTTTCAGACGTGTCCGTATAAACTTCAGCAATCCTAAATCTGCAGCC
 CGAGCTAGGATAGAGCTTCATGAAACCAATTCAGAGGGAAAAAATTAAGCTCTACTTT
 GCACAGGTTCCAGACTCCAGAGACAGATGGAGACAACTGCACTTGGCTCCACCCAGCCT
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CTGAATGATTGTTTTCTCTCTTTGTATATTTGTACAAATGTTTCAGCTGTGCTTTTAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005822 unedited
GGTCGGAATTTGTATACGACTCCTATAGCGGCCGCGNAATTCGCACGAGGTGGGAGCGG
GCTCCAGGAGCCCGAGCCTCCAGCCGCTCAGAGCAAGGCAGCACCCGAGGCCTGGCCAC
AGCAATATCCATCTGGAAGCTCTTCCCTTCACTCCCAACTCTGAGGTTGCCTAACTCTTT
ATTAATAATTCAGAAGGGGGAATGCCAGCCCTAGCATGGACTGTGATGTTTCACTCTG
GTTGCCTGTGGTGGATGTCGAGGCTTTACCAATCAGGAGGTTAAGGAAAAATTTGAG
GGACTGTTTCGGACTTATGATGACTGTGTGACGTTCCAGCTATTTAAGAGTTTCAGACGT
GTCCGTATAAACTTCAGCAATCCTAAATCTGCAGCCGAGCTAGGATAGAGCTTCATGAA
ACCCAATTCAGAGGGAAAAATTAAGCTCTACTTTGCACAGGTTTCAGACTCCAGAGACA
GATGGAGACAAACTGCACTTGGCTCCACCCAGCCTGCCAAACAGTTTCTCATCTCGCCC
CCTTCTCCACCTGTTGGCTGGCAGCCCATCAACGATGCCACGCCAGTCTCAACTAT
GACCTCCTCTATGCTGTGGCCAAACTAGGACCAGGAGAGAAGTATGAGCTCCATGCAGGG
ACTGAGTCCACCCCAAGTGTGTCGTGTCACGTGTGCGACAGTGACATAGAGGAAGAAGA
GGACCCANAGACTTCCCAAGCCAAAAATCATCCAAACTCGGCGTCTGGCCTGCCACCC
TCCGTGTCCAATGAGCTGCCTGCTCTTCTCGATATAGCCGNCTCCTCCTTACATGCTT
NTTCCCCTGTTGGTTGTCAAAAAATGCCTTNAATCCTGGGTGTTGGGTGTTGAGATC
CTTCCTTGATC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005822 unedited GCCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACAAAAAGTCATTCAC CAGATATATTTGAAGTCTAAGCTCTTTGAGCTATACACGTGCACAAATGATTCAGTTGGT GGAAATCTTCCCCTTCCCCTTCAATTGTTAAAGTTTTCAAATTTAAATAGTGCTAAAGAG ATTTGCATAATGTGCGTCATGGAATGCTGAGGCGATTCTGACTTTCACAGTGCTAGGAG GTTCCCCTTGCAACACTTCAAGGAGTCTTCCATTCTTATCGTTCTCCTAGGAAAAGCCC CTCTTTTCCCCTCCCACCAACCTAGTGAAAGAATTACTTGATCTGAGACAGGTT AACATTGACACAGAGCAATAAGTTTTACTAAGACTAACTCCAGAGGCCATACACTTCATT GTGTTTCTTTATGACTACACAGAATGGTCATTTCAACTTTTACTAAGTTGTTAAAAATG TCAGATGTGTCTTTAAAAAACATTTAAAAATCATTTTCAAATACTTTCTCTCATCTAGA TTTCTTTACAACCTGCATTCTGGAAATTCAGGGTAGCTTAAAAAATAAGTCAAATGACCC ACAGATGATTGAGAAAGAGTCAGCTTTTGAAAGGCTGGATGCTGCAGTGCTGTCATCTG AATAACGGAACCTACTATTTTTTCCCTAGAAGACACCATTCTCCCTACCTAATCTGTA TTCGTTTATCCTCAATGAAAAACCAAAACCTCCCAAGAAAAGGAAAAGTCAAACCTTTGC CTTATTGAACACCTCTCAAATTTTAATTCTTAAAGGAATNTTCATTTTCTTTATGG AACCCAGGAATTTACCAGCCATGGCTCTCTCCATTTNACCCAAAACCTGGGGCCAGCAC CTATTGGCTTTATTACCGGTAATAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_005822
Insert Size:	3100 bp
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).
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:	<ol style="list-style-type: none"> 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_005822.1 , NP_005813.1
RefSeq Size:	3184 bp
RefSeq ORF:	579 bp
Locus ID:	10231
UniProt ID:	Q14206
Cytogenetics:	6p12.3
Domains:	Calcipressin

Gene Summary:

This gene encodes a member of the regulator of calcineurin (RCAN) protein family. These proteins play a role in many physiological processes by binding to the catalytic domain of calcineurin A, inhibiting calcineurin-mediated nuclear translocation of the transcription factor NFATC1. Expression of this gene in skin fibroblasts is upregulated by thyroid hormone, and the encoded protein may also play a role in endothelial cell function and angiogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1, also known as alpha) represents the longest transcript and encodes the shorter isoform (1, also known as alpha).