

Product datasheet for **SC122841**

Cornulin (CRNN) (NM_016190) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cornulin (CRNN) (NM_016190) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cornulin
Synonyms:	C1orf10; DRC1; PDRC1; SEP53
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_016190 edited
 ACTCCTCACACCACTTAACAGCCACTTGTTCATCCCACCTGGGCATTAGGTTGACTTCA
 AAGATGCCTCAGTTACTGCAAAACATTAATGGGATCATCGAGGCCTTCAGGCGCTATGCA
 AGGACGGAGGGCAACTGCACAGCGCTCACCCGAGGGGAGCTGAAAAGACTCTTGAGCAA
 GAGTTTGCCGATGTGATTGTGAAACCCACGATCCAGCAACTGTGGATGAGGTCTGCGT
 CTGCTGGATGAAGACCACACAGGGACTGTGGAATCAAGGAATCCTGGTCTTAGTGTTT
 AAAGTTGCCAGGCCTGTTTCAAGACACTGAGCGAGAGTGTGAGGGAGCCTGCGGCTCT
 CAAGAGTCTGGAAGCCTCCACTCTGGGGCTCGCAGGAGCTGGGGAAGGACAGAGAAGT
 GGCACTGAAGTGGGAAGGGCGGGAAAGGGCAGCATTATGAGGGGAGCAGCCACAGACAG
 AGCCAGCAGGGTCCAGAGGGCAGAACAGGCCTGGGGTTCAGACCCAGGGTCAGGCCACT
 GGCTCTGCGTGGGTGAGCAGCTATGACAGGCAAGCTGAGTCCCAGAGCCAGGAAAGAATA
 AGCCCGCAGATACAACCTCTTGGGCAGACAGAGCAGACCCAGAAAGCTGGAGAAGGCAAG
 AGGAATCAGACAACAGAGATGAGGCCAGAGAGACAGCCACAGACCAGGGAACAGGACAGA
 GCCCACCAGACAGGTGAGACTGTGACTGGATCTGGAACCTAGACCAGGCAGGTGCCACC
 CAGACTGTGGAGCAGGACAGCAGCCACCAGACAGGAAGAACCAGCAAGCAGACACAGGAG
 GCCACCAATGACCAGAACAGAGGACTGAGACCCACGGTCAAGGCAGGAGCCAGACCAGC
 CAGGCTGTGACAGGAGCATGCTCAGATACAGGCAGGGACACACACCCAGACACCCACC
 CAGACCGTGGAGCAGGACAGCAGCCACCAGACAGGAAGCACCAGCACCAGACACAGGAG
 TCCACCAATGGCCAGAACAGAGGACTGAGATCCACGGTCAAGGCAGGAGCCAGACCAGC
 CAGGCTGTGACAGGAGGACACACTCAGATACAGGCAGGGTCACACACCCAGACTGTGGAG
 CAGGACAGAAGCCAACTGTAAGCCACGGAGGGCTAGAGAACAGGGACAGACCCAGACG
 CAGCCAGGCAGTGGTCAAAGATGGATGCAAGTGAAGCAACCCTGAGGCAGGAGAGACAGTA
 CCGGGAGGACAGGCCAGACTGGGGCAAGCACTGAGCCAGGAAGGCAGGAGTGGAGCAG
 ACTCACCCAAGGCCTGTGTGACAGAAGGGCAGGAGACAGACAGCCACAGTGGTTGGT
 GAGGAATGGGTTGATGACCACTCAAGGGAGACAGTATCCTCAGGCTGGACCAGGGCAAC
 TTGCATACCAGTGTTCCTCAGCACAGGGCCAGGATGCAGCCAGTCAGAAGAGAAGCGA
 GGCATCACAGCTAGAGAGCTGTATTCTACTTGAGAAGCACCAAGCCATGACTTCCCCGA
 CTCCAATGTCCAGTACTGGAAGAAGACAGCTGGAGAGAGTTTGGCTTGCCTGCATGGCC
 AATCCAGTGGGTGCATCCCTGGACATCAGCTCTTATTATGCAGCTTCCCTTTTAGGTCT
 TTCTCAATGAGATAATTTCTGCAAGGAGCTTTCTATCCTGAACTTCTTTTCTTACCTGC
 TTTGCGGTGCAGACCCTCTCAGGAGCAGGAAGACTCAGAGCAAGTCAACCCTTTGTACTG
 AATTGTCCTCATCTTGTGGGGGTTTCAGGACTATTTTTATCTCTGACATCTCTATTG
 CCCCATCTACCCTAATGCATCAATAAAACCTTAAGCCACTGGAGAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016190 unedited
 CGTCAAAATTTGTAACGACTCATATAGGGCGGCCGGAATTCGGCCATTACGGCCGGN
 GACTCCTCACACCACTTAACAGCCACTTGTTCATCCCACCTGGGCATTAGGTTGACTTC
 AAAGATGCCTCAGTTACTGCAAAACATTAATGGGATCATCGAGGCCTTCAGGCGCTATGC
 AAGGACGGAGGGCAACTGCACAGCGCTCACCCGAGGGGAGCTGAAAAGACTCTTGAGCA
 AGAGTTTGCCGATGTGATTGTGAAACCCACGATCCAGCAACTGTGGATGAGGTCTGCG
 TCTGCTGGATGAAGACCACAGGGACTGTGGAATCAAGGAATCCTGGTCTTAGTGTT
 TAAAGTTGCCAGGCCTGTTTCAAGACACTGAGCGAGAGTGTGAGGGAGCCTGCGGCTC
 TCAAGAGTCTGGAAGCCTCCACTCTGGGCCTCGCAGGAGCTGGGGAAGGACAGAGAAG
 TGGCACTGAAGTGGGAAGGGCGGGAAAGGGCAGCATTATGAGGGGAGCAGCCACAGACA
 GAGCCAGCAGGGTTCAGAGGGCAGAACAGGCCTGGGGTTCAGACCCAGGGTCAGGCCAC
 TGCTCTGCGTGGGTGAGCAGCTATGACAGGCAAGCTGAGTCCCAGAGCCAGGAAAGAAT
 AAGCCCGCAGATACCACTCTCTGGGCAGACAGAGCAGACCCAGAAAGCTGGAGAAGGGNC
 AGAGAAATCAGACACAGAGATGAGGCCAGAGAGACAGCCACAGACCAGGGAACAGGACAG
 AGCCACCAGACAGTGTGACTGTGACTGGATCTGGAACCTAGACCCACAGGTCGCAAC
 CAGACTGTGGAGCAGGACCAGCACCCACAGAGGGAGGCCAGCAGGCAGAACAGGAG
 GCCCCAAAGCCAAACAGAGGGACTGA

Restriction Sites:	Please inquire
ACCN:	NM_016190
Insert Size:	1934 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:	<u>NM_016190.1</u> , <u>NP_057274.1</u>
RefSeq Size:	1891 bp
RefSeq ORF:	1488 bp
Locus ID:	49860
UniProt ID:	<u>Q9UBG3</u>
Cytogenetics:	1q21.3
Gene Summary:	This gene encodes a member of the "fused gene" family of proteins, which contain N-terminus EF-hand domains and multiple tandem peptide repeats. The encoded protein contains two EF-hand Ca ²⁺ binding domains in its N-terminus and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. This gene, also known as squamous epithelial heat shock protein 53, may play a role in the mucosal/epithelial immune response and epidermal differentiation. [provided by RefSeq, Jan 2009]