

Product datasheet for **SC114660**

CRELD1 (NM_015513) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRELD1 (NM_015513) Human Untagged Clone
Tag: Tag Free
Symbol: CRELD1
Synonyms: AVSD2; CIRPIN
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001077415 edited
 ATGGCCCCATGGCCCCGAAGGGCCTAGTCCCAGCTGTGCTCTGGGGCCTCAGCCTCTTC
 CTCAACCTCCCAGGACCTATCTGGCTCCAGCCCTCTCCACCTCCCAGTCTTCTCCCCG
 CCTCAGCCCCATCCGTGTCATACCTGCCGGGACTGGTTGACAGCTTTAAACAAGGCCTG
 GAGAGAACCATCCGGGACAACCTTTGGAGGTGAAACACTGCCTGGGAGGAAGAGAATTTG
 TCCAAATACAAAGACAGTGAGACCCGCCTGGTAGAGGTGCTGGAGGTGTGTGCAGCAAG
 TCAGACTTCGAGTGCCACCGCCTGCTGGAGCTGAGTGAGGAGCTGGTGGAGAGCTGGTGG
 TTTCAAGCAGCAGGAGGCCCGGACCTTCCAGTGGCTGTGCTCAGATTCCCTGAAG
 CTCTGCTGCCCGCAGGCACCTTCGGGCCCTCCTGCCTCCCTGTCTGGGGAACAGAG
 AGGCCCTGCGGTGGCTACGGGCAGTGTGAAGGAGAAGGGACACGAGGGGGCAGCGGGCAC
 TGTGACTGCCAAGCCGGCTACGGGGGTGAGGCCGTGGCCAGTGTGCCCTGGCTACTTT
 GAGGCAGAACGCAACGCCAGCCATCTGGTATGTTTCGGCTTGTTCGGCCCTGTGCCGA
 TGCTCAGGACCTGAGGAATCAAACCTGTTTGAATGCAAGAAGGGCTGGGCCCTGCATCAC
 CTCAAAGTGTAGACATTGATGAGTGTGGCACAGAGGGAGCCAACTGTGGAGCTGACCAA
 TTCTGCGTGAACACTGAGGGCTCCTATGAGTGCCGAGACTGTGCCAAGGCCTGCCTAGGC
 TGCATGGGGGCAGGGCCAGGTGCTGTAAGAAGTGTAGCCCTGGCTATCAGCAGGTGGGC
 TCCAAGTGTCTCGATGTGGATGAGTGTGAGACAGAGGTGTGTCCGGGAGAGAACAAGCAG
 TGTGAAAACACCGAGGGCGGTTATCGCTGCATCTGTCCGAGGGCTACAAGCAGATGGAA
 GGCATCTGTGTGAAGGAGCAGATCCCAGAGTCAGCAGGCTTCTCTCAGAGATGACAGAA
 GACGAGTTGGTGGTGTGTCAGCAGATGTTCTTTGGCATCATCATCTGTGCACTGGCCACG
 CTGGCTGTAAGGGCGACTTGGTTCACCGCCATCTTATTGGGGCTGTGGCGGCCATG
 ACTGGCTACTGGTTGTCAGAGCGCAGTGACCGTGTGCTGGAGGGCTTCATCAAGGCAGAG
 tga



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015513 unedited
CACATTTTGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCGACGCGGTG
AGGAGACGGCCACGCGGCCCGGGCTGGGGCGGTTCGTTCTTCTCCTTCCGTGGCCTA
CGAGGGTCCCCAGCCTGGGTAAGATGGCCCCATGGCCCCGAAGGGCCTAGTCCCAGCT
GTGCTCTGGGGCTCAGCCTCTTCTCAACCTCCCAGGACCTATCTGGCTCCAGCCCTCT
CCACCTCCCAGTCTTCTCCCCCGCCTCAGCCCCATCCGTGTACACCTGCCGGGACTG
GTTGACAGCTTTAACAAGGGCCTGGAGAGAACCATCCGGGACAACCTTGGAGGTGGAAAC
ACTGCCTGGGAGGAAGAGAATTTGTCAAATACAAAGACAGTGAGACCCGCTGGTAGAG
GTGCTGGAGGGTGTGTGCAGCAAGTCAGACTTCGAGTGCCACCGCTGCTGGAGCTGAGT
GAGGAGCTGGTGGAGAGCTGGTGGTTTACAAGCAGCAGGAGGCCCGGACCTCTCCAG
TGGCTGTGCTCAGATTCCCTGAAGCTCTGCTGCCCGCAGGCACCTTCGGGCCCTCCTGC
CTTCCCTGCTCTGGGGAACAGAGAGGCCCTGCGGTGGCTACGGGCAGTGTGAAGGAGAA
GGGACACGAGGGGCGAGCGGGCACTGTGACTGCCAAGCCGGCTACGNGGTGAGGCCTGT
GGCCAGTGTGCCCTTGGCTACTTTGAGGCAGAACGCAACGCCAGCCATCTGGTATGTTCCG
GCTTGTGTTGGCCCTGTGCCGATGCTCANGACCTGAGGAATCAAACCTGTTTGCAATGC
AAGAAGGGCTGGGCCCTGCATCACCTCAGTGTGTAGACATTGATGAGTGTGGCACAGAGG
GAGCCACTGNTGAGCTGACCATTCTGCGTGAACACTGAGGCTCCTATGAGTGCCAGACT
GTGCCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015513 unedited
CGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTAACTTCCAAAACCTTTCTTT
ATTTCTGAGATGAATAAATAAGTGGCAATGGGGTGTGGGATGTGGTGAACACAGAACA
GGAAGTGGCAGCATGCAGCTGGCAGGAGGAGCTGTGATGGCCCCACCCCTGTGAGGACC
ACCTAATCCTAAGCAGGGGCCAAAGCTCTAGCAGCCACCATTAAGGAAAACTTTTGAAA
TTCACACATTGTGAAGCCTGCCAGTCCCCGCCAGGTGAAGAGCTCATGGTATCCACCTTC
AGGGTACTTTTTACCCAGGGGCTTGTCTGCCCGGGCTGGGTACCTGGGCTGCTCTG
TAAGGCAGGTAGGGGTGCTTACCCCACTCTCAAAAATAAACCAAGCTGTCCTGAGTGTCC
AGCAGGAGGGCAGCCAAAGCTCTGGGGCAGCGTGGGTGGGAGGAGGTCTACAGTGGT
GGCCGCGATTATCTGCCCTTGTGAAGCCCTCCAGCACACGGTCACTGCGCTCTGACAAC
CAGTAGCCAGTCATGGCCGCCACAGCCCAATGAAGATGGCGGTGAACACCAAGTCGCC
TTAGCAGCCAGCGTGGCCAGTGACAGATGATGATGCCAAGAACAATCTGCTGCAGCAC
ACCAACTCGTCTTCTGTATCTCTGAGAAGAAGCCTGCTGACTCTGGGATCTGCTCCTTC
ACACAGATGCCTTCCATCTGCTTGTAGCCCTCGGCACAGATGCAGCGATAACCGCCCTTC
GTGTTTTCACTGCTTNGTCTCTCCGGNCACACCTCTGTCTCACACTCATCCACATCGA
GACACTTGGAGCCACCTGCTGATAGCCAGGGCTACACTTCTTACAGCGACCTGGNCCTG
NCNCCATGCAGNCTAGCAGCCCTGGCACAGTCTCGGCACTCATAGGAAGCCCTCAGTGN
TCACGCAGAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_015513

Insert Size:

1910 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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015513.2</u> , <u>NP_056328.2</u>
RefSeq Size:	2072 bp
RefSeq ORF:	1263 bp
Locus ID:	78987
UniProt ID:	<u>Q96HD1</u>
Cytogenetics:	3p25.3
Domains:	EGF_CA, FU
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a member of a subfamily of epidermal growth factor-related proteins. The encoded protein is characterized by a cysteine-rich with epidermal growth factor-like domain. This protein may function as a cell adhesion molecule. Mutations in this gene are the cause of atrioventricular septal defect. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform (2).</p>