

## Product datasheet for **SC315550**

### CRELD1 (NM\_001077415) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CRELD1 (NM\_001077415) 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  
 CTCAACCTCCCAGGACCTATCTGGCTCCAGCCCTCTCCACCTCCCAGTCTTCTCCCCCG  
 CCTCAGCCCCATCCGTGTCATACCTGCCGGGACTGGTTGACAGCTTTAAACAAGGCCTG  
 GAGAGAACCATCCGGGACAACCTTTGGAGGTGAAACACTGCCTGGGAGGAAGAGAATTTG  
 TCCAAATACAAAGACAGTGAGACCCGCCTGGTAGAGGTGCTGGAGGTGTGTGCAGCAAG  
 TCAGACTTCGAGTGCCACCGCCTGCTGGAGCTGAGTGAGGAGCTGGTGGAGAGCTGGTGG  
 TTTCAAGCAGCAGGAGGCCCGACCTTCCAGTGGCTGTGCTCAGATTCCCTGAAG  
 CTCTGCTGCCCGCAGGCACCTTCGGGCCCTCCTGCCTCCCTGTCTGGGGAACAGAG  
 AGGCCCTGCGGTGCTACGGGCAGTGTGAAGGAGAAGGGACACGAGGGGGCAGCGGGCAC  
 TGTGACTGCCAAGCCGGCTACGGGGGTGAGGCCGTGGCCAGTGTGGCCTTGCTACTTT  
 GAGGCAGAACGCAACGCCAGCCATCTGGTATGTTCCGGCTTGTTTGGCCCTGTGCCGA  
 TGCTCAGGACCTGAGGAATCAAACCTGTTTGAATGCAAGAAGGGCTGGGCCCTGCATCAC  
 CTCAAAGTGTAGACATTGATGAGTGTGGCACAGAGGGAGCCAACCTGTGGAGCTGACCAA  
 TTCTGCGTGAACACTGAGGGCTCCTATGAGTGCCGAGACTGTGCCAAGGCCTGCCTAGGC  
 TGCATGGGGGCAGGGCCAGGTGCTGTAAGAAGTGTAGCCCTGGCTATCAGCAGGTGGGC  
 TCCAAGTGTCTCGATGTGGATGAGTGTGAGACAGAGGTGTGTCCGGGAGAGAACAAGCAG  
 TGTGAAAACACCGAGGGCGGTTATCGCTGCATCTGTCCGAGGGCTACAAGCAGATGGAA  
 GGCATCTGTGTGAAGGAGCAGATCCCAGAGTCAGCAGGCTTCTTCTCAGAGATGACAGAA  
 GACGAGTTGGTGGTGTGCTGACGAGATGTTCTTTGGCATCATCATCTGTGCACTGGCCACG  
 CTGGCTGTAAGGGCGACTTGGTTCACCGCCATCTTATTGGGGCTGTGGCGGCCATG  
 ACTGGCTACTGGTTGTCAGAGCGCAGTGACCGTGTGCTGGAGGGCTTCATCAAGGCAGAG  
 tga

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001077415



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<b>Insert Size:</b>	1910 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001077415.1</a></u> , <u><a href="#">NP_001070883.1</a></u>
<b>RefSeq Size:</b>	2224 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	78987
<b>UniProt ID:</b>	<u><a href="#">Q96HD1</a></u>
<b>Cytogenetics:</b>	3p25.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<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 (3) 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). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>