

Product datasheet for **SC302562**

CRELD1 (NM_001031717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRELD1 (NM_001031717) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRELD1
Synonyms:	AVSD2; CIRPIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001031717 edited
 ATGGCCCCATGGCCCCGAAGGGCCTAGTCCCAGCTGTGCTCTGGGGCCTCAGCCTCTTC
 CTCAACCTCCCAGGACCTATCTGGCTCCAGCCCTCTCCACCTCCCAGTCTTCTCCCCG
 CCTCAGCCCCATCCGTGTCATACCTGCCGGGACTGGTTGACAGCTTTAAACAAGGCCTG
 GAGAGAACCATCCGGGACAACCTTTGGAGGTGAAACACTGCCTGGGAGGAAGAGAATTTG
 TCCAAATACAAAGACAGTGAGACCCGCCTGGTAGAGGTGCTGGAGGTGTGTGCAGCAAG
 TCAGACTTCGAGTGCCACCGCCTGCTGGAGCTGAGTGAGGAGCTGGTGGAGAGCTGGTGG
 TTTCAAGCAGCAGGAGGCCCGGACCTTCCAGTGGCTGTGCTCAGATTCCCTGAAG
 CTCTGCTGCCCGCAGGCACCTTCGGGCCCTCCTGCCTCCCTGTCTGGGGAACAGAG
 AGGCCCTGCGGTGGCTACGGGCAGTGTGAAGGAGAAGGGACACGAGGGGGCAGCGGGCAC
 TGTGACTGCCAAGCCGGCTACGGGGGTGAGGCCGTGGCCAGTGTGCCCTGGCTACTTT
 GAGGCAGAACGCAACGCCAGCCATCTGGTATGTTCCGGCTGTTTTGGCCCTGTGCCGA
 TGCTCAGGACCTGAGGAATCAAACCTGTTTGAATGCAAGAAGGGCTGGGCCCTGCATCAC
 CTCAAGTGTGTAGACATTGATGAGTGTGGCACAGAGGGAGCCAACCTGTGGAGCTGACCAA
 TTCTGCGTGAACACTGAGGGCTCCTATGAGTGCCGAGACTGTGCCAAGGCCTGCCTAGGC
 TGCATGGGGGCAGGGCCAGGTGCTGTGAAGAAGTGTAGCCCTGGCTATCAGCAGGTGGGC
 TCCAAGTGTCTCGATGTGGATGAGTGTGAGACAGAGGTGTGTCCGGGAGAGAACAAGCAG
 TGTGAAAAACCCGAGGGCGTTATCGCTGCATCTGTGCCGAGGGCTACAAGCAGATGGAA
 GGCATCTGTGTGAAGGAGCAGATCCCAGGTGCATCCCCATCTTAACCTGATTTAACCCCT
 GAAACAACCCGACGCTGGAAGTTGGTTCTCATCCCCACTCTACATATGTAAAAATGAAG
 ATGCAGAGAGATGAAGCTACTTTCCAGGGCTATATGGCAAGCAAGTCGCAAAGCTGGGA
 TCCCAATCCAGACAGTCTGACCGTGAACGAGACTCATACACAGTCAAGCAGGCTTCTTCT
 CAGAGATGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001031717 unedited NTTTCAGTTAAATTTGTATAGATCACTTAGGCGGCCGGAATCGCACGAGGAGAGACGGCC CACGGCGCCCGGGGCTGGGGCGGTTCGTTCTTCTTCTCCGTGGCCTACGAGGGTCCCC AGCCTGGGTAAAGATGGCCCCATGGCCCCGAAGGGCCTAGTCCCAGCTGTGCTCTGGGG CCTCAGCCTCTTCTCAACCTCCCAGGACCTATCTGGCTCCAGCCCTCTCCACCTCCCA GTCTTCTCCCCCGCTCAGCCCCATCCGTGTCATACCTGCCGGGACTGGTTGACAGCTT TAACAAGGGCCTGGAGAGAACCATCCGGGACAACCTTGGAGGTGGAACACTGCCTGGGA GGAAGAGAAATTTGTCCAATACAAAGACAGTGAGACCCGCTGGTAGAGGTGCTGGAGGG TGTGTGCAGCAAGTCAGACTTCGAGTGCCACCGCTGCTGGAGCTGAGTGAGGAGCTGGT GGAGAGCTGGTGGTTTCAACAAGCAGCAGGAGGCCCGGACCTCTTCCAGTGGCTGTGCTC AGATTCCTGAAGCTCTGCTGCCCGCAGGCACCTTCGGGCCCTCTGCCTTCCCTGTCC TGGGGAAACAGAGAGGCCCTGCGGTGGCTACGGGCAGTGTGAAGGAGAAGGGACACGAGG GGGCAGCGGGCACTGTGACTGCCAAGCCGGCTACGGGGGTGAGGCCTGTGGCCAGTGTGG CCTTGGCTACTTTTGTGAGCAGAACGCAACGCCAGCCATCTGGTATGTTTCGGCTTGTTTGG CCCCTGTGCCGATGCTCANGACCCTGAGAATCAAACCTGTTTGCAATGCAAGAAGGGCTT GGGCCTGCATCACCTCAAGTGTG
3' Read Nucleotide Sequence:	>Forward primer walk for NM_001031717 unedited TGCTACGTGAGAGAGCAGCAGCGTGACGAAACAAGGGGGAAACCGCGGCAGCGGTGCCGG GGGCACAAGCGCCGGACGCATGGGTGTGAGGACCAGTCCCAGGAGAATTGCCACCCGA ACAGATCAAGTGGGAAAAAACGCGACGCGGGGAGCGGGTCTCATCCCCTACTACAT ATGTAAAAATGAAAATGCAAAGAGATGAAGCTACTCTCCAGGGTATATGGCAAGCAAG TCGCAAAGCTGGGACCCCAATCCAACAGTCTGACCGTGAACGAGACTCATAACAGTC AGCAGGCTTCTTCTCAAAAATGACAAAAACAAGTTGGTGGTGCAGCAAATGTTCTT TGGCATCATCATCTGTGCACTGGCCACGCTGGCTGCTAAGGGCGACTTGGTGTTCACCGC CATCTTCAATGGGGCTGTGGCGCCATGACTGGCTACTGGTTGTCAAAGCGCAGTGACCG TGTGCTGGAGGGTTCATCAAGGGCAAATAATCGCGGCCACCCTGTAGGACCTCCTCC CACCCACGCTGCCCCAGAGCTTGGGCTGCCCTCCTGTGGCACTCAGGACAGCTTGGT TTATTTTTGAGAGTGGGGTAAGCACCCCTACCTGCCTTACAGAGCAGCCAGGTACCCAG GCCCGGGCAGACAAGGCCCTGGGGTAAAAAGTAGCCCTGAAGGTGGATACCATGAGCTC TTCACCTGGCGGGGACTGGCAGGCTTCACAATGTGTGAATTTCAAAGTTTTTCCTTAAT GGTGGCTGCTAGAGCTTTGGCCCTGCTAGATAGTGGTCCCTCACAGGGTGGGGCATAACA GCTCTCTGCAGCTGCATGCTGCAGTCTGTCTGTGTCAACCACATCCCACCCATGGCCACTT ATTATTCATCTCAGAATAAGAAGTCTGCAG
Restriction Sites:	NotI-NotI
ACCN:	NM_001031717
Insert Size:	2300 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001031717.2](#), [NP_001026887.1](#)

RefSeq Size: 2418 bp

RefSeq ORF: 1269 bp

Locus ID: 78987

UniProt ID: [Q96HD1](#)

Cytogenetics: 3p25.3

Protein Families: Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (1) encodes the longer isoform (1). 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.