

Product datasheet for **RG224967**

CRELD1 (NM_015513) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRELD1 (NM_015513) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRELD1
Synonyms:	AVSD2; CIRPIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224967 representing NM_015513 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCATGGCCCCGAAGGGCCTAGTCCCAGCTGTGCTCTGGGGCCTCAGCCTCTTCTCAACCTCC
CAGGACCTATCTGGCTCCAGCCCTCCACCTCCCCAGTCTTCTCCCCGCCTCAGCCCCATCCGTGTCA
TACCTGCCGGGACTGGTTGACAGCTTTAACAAGGGCCTGGAGAGAACCATCCGGGACAACCTTTGGAGGT
GAAACACTGCCTGGGAGGAAGAGAATTTGTCAAATACAAGACAGTGAGACCCGCCTGGTAGAGGTGC
TGGAGGTGTGTGCAGCAAGTCAGACTTCGAGTGCCACCGCCTGTGGAGCTGAGTGAGGAGCTGGTGGA
GAGCTGGTGGTTTCAAGCAGCAGGAGGCCCGACCTTCCAGTGGCTGTGCTCAGATTCCTGAAG
CTCTGCTGCCCGCAGGCACCTTCGGGCCCTCCTGCCTTCCCTGTCTGGGGGAACAGAGAGGCCCTGCG
GTGGCTACGGGCAGTGTGAAGGAGAAGGGACACGAGGGGGCAGCGGGCACTGTGACTGCCAAGCCGGCTA
CGGGGGTGAAGCCTGTGGCCAGTGTGGCCTTGGCTACTTTGAGGCAGAACGCAACGCCAGCCATCTGGTA
TGTTCCGGCTTGTGGCCCTGTGCCGATGCTCAGGACCTGAGGAATCAAAGTGTGCAATGCAAGA
AGGGCTGGGCCCTGCATCACCTCAAGTGTGTAGACATTGATGAGTGTGGCACAGAGGGAGCCAACGTGG
AGCTGACCAATCTGCGTGAACACTGAGGGCTCCTATGAGTGCCGAGACTGTGCCAAGCCCTGCCTAGGC
TGATGGGGGCAGGGCCAGGTGCTGTAAGAAGTGTAGCCCTGGCTATCAGCAGGTGGCTCCAAGTGTG
TCGATGTGGATGAGTGTGAGACAGAGGTGTCCGGGAGAGAACAAGCAGTGTGAAAACACCGAGGGCGG
TTATCGTGCATCTGTGCCGAGGGCTACAAGCAGATGGAAGGCATCTGTGTGAAGGAGCAGATCCCAGAG
TCAGCAGGCTTCTCTCAGAGATGACAGAAGACGAGTTGGTGGTGTGTCAGCAGATGTTCTTTGGCATCA
TCATCTGTGCACTGGCCACGCTGGCTGCTAAGGGCGACTTGGTGTTCACCGCCATCTTCATTGGGGCTGT
GGCGCCATGACTGGCTACTGTTGTGACAGCGCAGTGACCGTGTGCTGGAGGGCTTCATCAAGGGCAGA

ACGGTACGGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224967 representing NM_015513
Red=Cloning site Green=Tags(s)

MAPWPPKGLVPAVLWGLSLFLNLP GPIWLQSPPPQSSPPPQHPCHTCRGLVDSFNKGLERTIRDNFGG
 GNTAWEEENLSKYKDSETRLVEVLEGVCSKSDFECHRLLELSEELVESWWFHKQEQEAPDLFQWLCSDSLK
 LCCPAGTFGPSCLPCPGGTERPCGGYQCEGEGTRGSGHCDQCQAGYGEACGQCLGYFEARNASHLV
 CSACFGPCARCSGPEESNCLQCKKGWALHHLKCVDIDECGTEGANCGADQFCVNTEGSGYECRDCAKACLG
 CMGAGPGRCKKCSPGYQQVGSKCLDVDECETEVCPCGENKQCENTEGGYRCAEAGYKQMEGICVKEQIPE
 SAGFFSEMTEDELVVLQQMFFGIIICALATLAAKGDLVFTAIFIGAVAAMTYWLSERSDRVLEGF IKGR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015513

ORF Size: 1260 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_015513.4](#)

RefSeq Size: 2072 bp

RefSeq ORF: 1263 bp

Locus ID: 78987

UniProt ID: [Q96HD1](#)

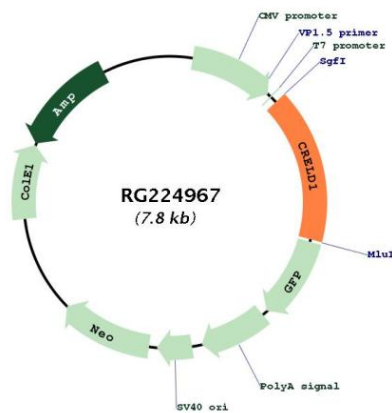
Cytogenetics: 3p25.3

Domains: EGF_CA, FU

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]

Product images:



Circular map for RG224967