

Product datasheet for RC214635

CRELD1 (NM_001077415) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRELD1 (NM_001077415) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRELD1
Synonyms:	AVSD2; CIRPIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214635 representing NM_001077415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCATGGCCCCGAAGGGCCTAGTCCCAGCTGTGCTCTGGGGCCTCAGCCTCTTCTCAACCTCC
CAGGACCTATCTGGCTCCAGCCCTCTCCACCTCCCCAGTCTTCTCCCCGCCTCAGCCCCATCCGTGTCA
TACCTGCCGGGACTGGTTGACAGCTTTAAACAAGGGCCTGGAGAGAACCATCCGGGACAACCTTTGGAGGT
GAAACACTGCCTGGGAGGAAGAGAATTTGTCAAATACAAGACAGTGAGACCCGCCTGGTAGAGGTGC
TGGAGGGTGTGTGCAGCAAGTCAGACTTCGAGTGCCACCCGCTGTGGAGCTGAGTGAGGAGCTGGTGGA
GAGCTGGTGGTTTCAAGCAGCAGGAGGCCCGACCTTCCAGTGGCTGTGCTCAGATTCCTGAAG
CTCTGCTGCCCGCAGGCACCTTCGGGCCCTCCTGCCTTCCCTGTCTGGGGAAACAGAGAGGCCCTGCG
GTGGCTACGGGCAGTGTGAAGGAGAAGGGACACGAGGGGGCAGCGGGCACTGTGACTGCCAAGCCGGCTA
CGGGGGTGAAGCCTGTGGCCAGTGTGGCCTTGGCTACTTTGAGGCAGAACGCAACGCCAGCCATCTGGTA
TGTTCCGGCTTGTGGCCCTGTGCCGATGCTCAGGACCTGAGGAATCAAAGTGTGCAATGCAAGA
AGGGCTGGGCCCTGCATCACCTCAAGTGTGTAGACATTGATGAGTGTGGCACAGAGGGAGCCAAGTGTGG
AGCTGACCAATCTGCGTGAACACTGAGGGCTCCTATGAGTGCCGAGACTGTGCCAAGCCCTGCCTAGGC
TGATGGGGGCAGGGCCAGGTGCTGTAAGAAGTGTAGCCCTGGCTATCAGCAGGTGGGCTCCAAGTGTG
TCGATGTGGATGAGTGTGAGACAGAGGTGTCCGGGAGAGAACAAGCAGTGTGAAAACACCGAGGGCGG
TTATCGTGCATCTGTGCCGAGGGCTACAAGCAGATGGAAGGCATCTGTGTGAAGGAGCAGATCCCAGAG
TCAGCAGGCTTCTCTCAGAGATGACAGAAGACGAGTTGGTGGTGTGTCAGCAGATGTTCTTTGGCATCA
TCATCTGTGACTGGCCACGCTGGCTGCTAAGGGCGACTTGGTGTTCACCGCCATCTTCATTGGGGCTGT
GGCGCCATGACTGGCTACTGTTGTGTCAGAGCGCAGTGACCGTGTGCTGGAGGGCTTCATCAAGGGCAGA

ACGGTACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC214635 representing NM_001077415
Red=Cloning site Green=Tags(s)

MAPWPPKGLVPAVLWGLSLFLNLP GPIWLQSPPPQSSPPQPHPCHTCRGLVDSFNKGLERTIRDNFGG
 GNTAWEENLSKYKDSETRLVEVLEGVCSKSDFECHRLLELSEELVESWWFHKQEQEAPDLFQWLCSDSLK
 LCCPAGTFGPSCLPCPGGTERPCGGYGQCEGEGTRGSGHCDCQAGYGGACGQCGLYFEAERNASHLV
 CSACFGPCARCSGPEESNCLQCKKGWALHHLKCVDIDECGTEGANCGADQFCVNTEGSYECRDCAKACLG
 CMGAGPGRCKKCSPGYQQVGSKCLDVDECETEVCPCGENKQCENTEGGYRICAEGYKQMEGICVKEQIPE
 SAGFFSEMTEDELVVLQQMFFGIICALATLAAKGDLVFTAIFIGAVAAMTYWLSERSDRVLEGF IKGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6492_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077415

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_001077415.2](#)

RefSeq Size: 2224 bp

RefSeq ORF: 1263 bp

Locus ID: 78987

UniProt ID: [Q96HD1](#)

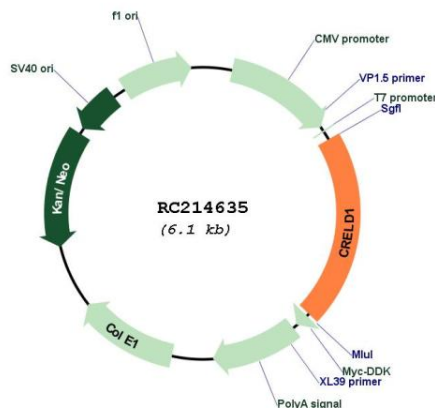
Cytogenetics: 3p25.3

Protein Families: Transmembrane

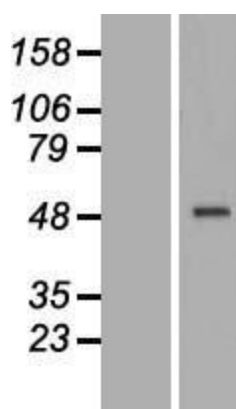
MW: 45.41 kDa

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 RC214635



Western blot validation of overexpression lysate (Cat# [LY414506]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC224967] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).