

Product datasheet for **RC237426**

CRELD2 (NM_001284318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRELD2 (NM_001284318) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRELD2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237426 representing NM_001284318 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCTGCCGCGCGGGCCGCGCTGGGGCTCCTGCCGTTCTGCTGCTGCTGCCGCCGCGCCGGAGG
CCGCCAAGAAGCCGACGCCCTGCCACCGGTGCCGGGGCTGGTGGACAAGTTTAACCGGGGATGGTGGG
CACCGCAAAGAAGAACTTTGGCGCGGGAACACGGCTTGGGAGGAAAAGACGCTGTCCAAGTACGAGTCC
AGCGAGATTCGCCTGCTGGAGATCCTGGAGGGCTGTGCGAGAGCAGCGACTTCGAATGCAATCAGATGC
TAGAGGCGCAGGAGGAGCACCTGGAGGCCTGGTGGCTGCAGCTGAAGAGCGAATATCCTGACTTATTGGA
GTGGTTTTGTGTGAAGACTGAAAGTGTGCTGCTCTCCAGAACCTACGGTCCCAGACTGTCTCGCATGC
CAGGGCGGATCCCAGAGGCCCTGCAGCGGGAATGGCCACTGCAGCGGAGATGGGAGCAGACAGGGCGACG
GGTCTGCCGGTGCCACATGGGGTACCAGGGCCCGCTGTGCACTGACTGCATGGACGGCTACTTCAGCTC
GCTCCGGAACGAGACCCACAGCATCTGCACAGCCTGTGACGAGTCTGCAAGACGTGCTCGGCCTGACC
AACAGAGACTGCGGCGAGTGTGAAGTGGCTGGGTGCTGGACGAGGGCGCCTGTGTGGATGTGGACGAGT
GTGCGGCCGAGCCGCTCCCTGCAGCGTGCAGTTCGTAAGAACGCCAACGGCTCCTACACGTGCGA
AGATGTGGACGAGTGTCTACTAGCAGAAAAACCTGTGTGAGGAAAAACGAAAACTGCTACAATACTCCA
GGGAGCTACGTCTGTGTGTCTGACGGCTTCGAAGAAACGGAAGATGCCTGTGTGCCCGCCGAGAGG
CTGAAGCCACAGAAGGAGAAAGCCCGACACAGCTGCCCTCCCGGAAGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237426 representing NM_001284318
Red=Cloning site Green=Tags(s)

MRLPRAALGLLPLLLLLPPAPEAAKKPTPCHRCRGLVDKFNQGMVDTAKKNFGGGNTAWEEKLSKYES
 SEIRLLEILEGLCESSDFECNQMLEAQEEHLEAWWLQLKSEYPDLFEWFCVKTLKVVCCSPGTYGPDCLAC
 QGGSQRPCSGNGHCSGDGSRQGDGSCRCHMGYQGFLCTDCMDGYFSSLRNETHSICTACDESCKTCISGLT
 NRDCGECEVGVWLDGACVDVDECAAEPSPCAAQFCKNANGSYTCEDVDECSLAEKTCVRKNENCYNTPT
 GSYVVCVCPDGFEEETEDACVPPAEAEATEGESPTQLPSREDL

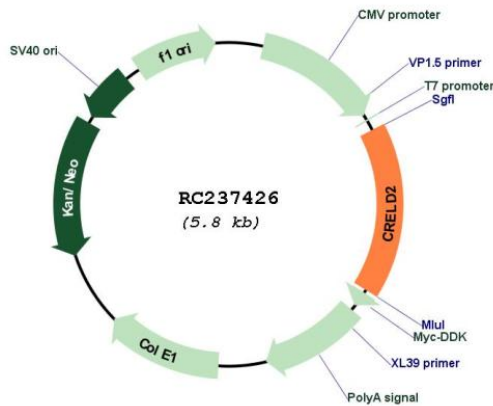
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284318

ORF Size:	963 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:	<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:	NM_001284318.2
RefSeq Size:	1353 bp
RefSeq ORF:	966 bp
Locus ID:	79174
UniProt ID:	Q6UXH1
Cytogenetics:	22q13.33
Protein Families:	Druggable Genome, Secreted Protein
MW:	35.4 kDa
Gene Summary:	May regulate transport of alpha4-beta2 neuronal acetylcholine receptor.[UniProtKB/Swiss-Prot Function]