

Product datasheet for **RG225629**

CRELD2 (NM_001135101) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRELD2 (NM_001135101) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRELD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225629 representing NM_001135101 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCTGCCGCGCCGGGCCGCGCTGGGGCTCCTGCCGTTCTGCTGCTGCTGCCGCCGCGCCGGAGG
CCGCCAAGAAGCCGACGCCCTGCCACCGGTGCCGGGGCTGGTGGACAAGTTAACCCAGGGGATGGTGA
CACCGCAAAGAAGAACTTTGGCGCGGGAAACACGGCTTGGGAGGAAAAGACGCTGTCCAAGTACGAGTCC
AGCGAGATTCGCCTGCTGGAGATCTGGAGGGGCTGTGCGAGAGCAGCGACTTCGAATGCAATCAGATGC
TAGAGGGCGCAGGAGGAGCACCTGGAGGCCTGGTGGCTGCAGCTGAAGAGCGAATATCCTGACTTATTCGA
GTGGTTTTGTGTGAAGACTGAAAGTGTGCTGCTCTCCAGGAACCTACGGTCCCGACTGTCTCGCATGC
CAGGGCGGATCCCAGAGCCCTGCAGCGGAATGGCCACTGCAGCGGAGATGGGAGCAGACAGGGCGACG
GGTCTGCCGGTGCCACATGGGGTACCAGGGCCCCTGTGCAGTACTGCATGGACGGCTACTTCAGCTC
GCTCCGGAACGAGACCCACAGCATCTGCACAGTACAGGACCGCCCTCTCCGATTCTTACCCGCCTTGTGT
CTGTCTTTGGATGTTGGCGTGGCGTGGCCACGCATGGATCCGTGGCCGGAACACGCACACCCAGCCAG
GCTACAGCTCCAGAGTATGGATAGCTGCCTTCTCTCCAGCCTGTGACGAGTCTGCAAGACGTGCTCGGG
CCTGACCAACAGAGACTGCGGCGAGTGTGAAGTGGGCTGGGTGCTGGACGAGGGCCCTGTGTGGATGTG
GACGAGTGTGCGCCGAGCCGCCTCCCTGCAGCGCTGCGCAGTTCTGTAAGAACGCCAACGGCTCCTACA
CGTGCGAAGAGTGTGACTCCAGCTGTGTGGGCTGCACAGGGGAAGGCCAGGAACTGTAAGAGTGTAT
CTCTGGCTACCGAGGGAGCACGGACAGTGTGCAGATGTGGACGAGTGTCACTAGCAGAAAAAACCCTGT
GTGAGGAAAAACGAAAACCTGCTACAATACTCCAGGGAGCTACGTCTGTGTGTCTGACGGCTTCGAAG
AAACGGAAGATGCCTGTGTGCCCGCCGAGAGGCTGAAGCCACAGAAGGAGAAAGCCCGACACAGCTGCC
CTCCCGGAAGACCTG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225629 representing NM_001135101
 Red=Cloning site Green=Tags(s)

MRLPRAALGLLPLLLLLPPAPEAAKKPTPCHRCRGLVDKFNQGMVDTAKKNFGGGNTAWEKTL SKYES
 SEIRLLEILEGLCESSDFECNQMLEAQEEHLEAWWLQLKSEYDLEFWFCVKTLKVVCCSPGTYGPDCLAC
 QGGSQRPCSGNGHCSGDGSRQGDGSCRCHMGYQGFLCTDCMDGYFSSLRNETHSICTVRTGLSDSYPPCC
 LSLGCWRGVGHAWIRGRNTHTQPGYSSRVWIAAFSPACDESKTCSGLTNRDCGECEVGVWLDGACVDV
 DECAAEPSPCSAAQFCKNANGSYTCEEDSSCVGCTGEGPGNCKEISGYAREHQCADVDECSLAEKTC
 VRKNENCYNTPGSYVVCVCPDGFEEETEDACVPPAEAEATEGESPTQLPSREDL

TRTRPLE - GFP Tag - V

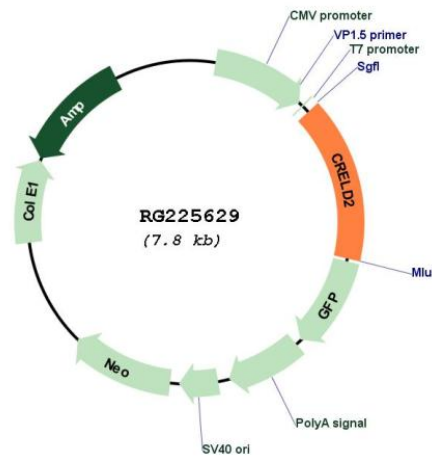
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001135101

ORF Size:	1206 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_001135101.3
RefSeq Size:	1575 bp
RefSeq ORF:	1209 bp
Locus ID:	79174
UniProt ID:	Q6UXH1
Cytogenetics:	22q13.33
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	May regulate transport of alpha4-beta2 neuronal acetylcholine receptor.[UniProtKB/Swiss-Prot Function]