

Product datasheet for MR220349

Crel2 (NM_029720) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crel2 (NM_029720) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crel2
Synonyms:	5730592L21Rik; C85758
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220349 representing NM_029720 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACCTGCTGCTTGCAGCCGCGTTTCGGGCTGCTGCTGCTGCTGCCGCCGCCGGGGCCGTAGCCTCCC
GGAAGCCGACGATGTGCCAGAGATGCCGGACGCTGGTGGACAAGTTCAACCAGGGGATGGCCAACACGGC
CAGGAAGAATTCGGTGGCGGCAACACGGCGTGGGAAGAGAAGACGCTGTCTAAGTACGAATTCAGTGAG
ATCCGGCTTCTGGAGATCATGGAGGCTGTGTGACAGCAGTGACTTTGAGTGCAACCAACTCTTGAGC
AGCAGGAGGAGCAGCTAGAGGCTTGGTGGCAGACACTGAAGAAGGAGCACCCCAACCTATTTGAGTGGTT
CTGTGTACACACACTGAAAGCGTGTCTTCCAGGCACCTACGGGCCAGACTGTCAAGAGTGCCAGGGT
GGTCCGAGAGGCCTTGCAGCGGAAACGGCTATTGCAGCGGAGACGGCAGCAGACAGGGCGATGGGTCTT
GCCAGTGTACACAGGCTACAAGGGACCACTGTGTATTGACTGCACAGACGGCTTCTTACGCTTGCAGAG
GAACGAGACCCACAGCATCTGCTCAGCCTGTGATGAGTCTTGAAGACCTGCTCTGGTCCAAGCAACAAA
GACTGTATCCAGTGTGAAGTGGGCTGGGCACGTGTGGAGGATGCCTGTGTGGATGTGGATGAGTGTGCAG
CAGAGACATCTCCGTGCAGCGATGGCCAGTACTGTGAGAATGTCAACGGCTCGTACACATGTGAAGACTG
TGATTCTACCTGCGTGGGCTGTACAGGAAAAGGCCAGCCAAGTGAAGGAGTGTATTGCCGGCTACACC
AAGGAGAGTGGACAGTGCACAGATATAGATGAATGCTCACTAGAAGAAAAGCCTGAAGAGGAAAAACG
AAAAGTGTACAATGTTCCGGGGAGCTTCGTGTGCGTGTGTCGGGAAGGCTTTGAGGAGACAGAAGACGC
TTGTGTGCAGACAGCAGAAGGCAAAGTACAGAGGAAAACCCACACAGCCACCCTCCCGTGAGGATTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220349 representing NM_029720
Red=Cloning site Green=Tags(s)

MHLLAAAFGLLLLLPPPGAVASRKPTMCQRCRTLVDKFNQGMANTARKNFGGGNTAWEKTL SKYEFSE
 IRLLEIMEGLCDSSDFECNQLEEQEEQLEAWWQTLKKEHPNLFEWFCVHTLKACCLPGTYGPDQCQCG
 GSERPCSGNGYCSGDGSRQGDGSCQCHTGKGPLCIDCTDGFSLQRNETHSICSACDESKTCSGSPNK
 DCIQCEVGWARVEDACVDVDECAAETSPCSDGQYCENVNGSYTCEDCDSTCVGCTGKGPANCKECIAGYT
 KESGQCTDIDECSL EEKACKRKNENCYNVPGSFVVCVPEGFEETEDACVQTAEKVTEENPTQPPSREDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029720

ORF Size: 1050 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_029720.1](#), [NM_029720.2](#), [NP_083996.1](#)

RefSeq Size: 1364 bp

RefSeq ORF: 1053 bp

Locus ID: 76737

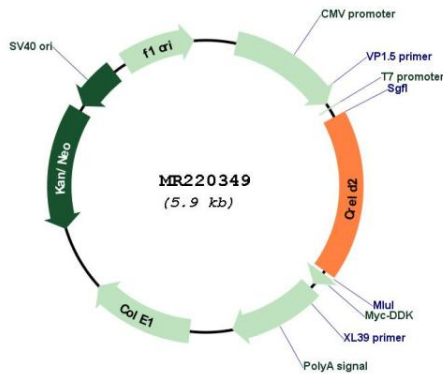
UniProt ID: [Q9CYA0](#)

Cytogenetics: 15 E3

MW: 38.7 kDa

Gene Summary: May regulate transport of alpha4-beta2 neuronal acetylcholine receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220349