

## Product datasheet for **MC201083**

### **Crel1 (NM\_133930) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Crel1 (NM_133930) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crel1
Synonyms:	AI843811; i11E7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010804 sequence for NM\_133930  
 GGAATATTTTGGGATCCAACCTCTCTAATTTTGGCCCTAATAACTCACTGAGACCCTAAAACAATG  
 GGCTGACGCTTATTCTTTTGGCCGCGATCCCGGCCACCTCCCCCTACGGTAACGGAGAAATAATTTCTCT  
 GCTGGAATCGTAGATTAGGCTCTTTACCCCTTCCAGCGCCTCTGCTTCCACTACCCAGTTTATCCTCG  
 TTTTGAATTACGTAGGTCTGGGCTCTGAGCCCAAGGCCTCGCTTCTCCCTTACAGCCTGGCT  
 CTCCAGTGAACCTCCCCCTGCCCTCTATCTGCACGTCCCAGCCTGGGAAAAGATGGCTCACTGCCCC  
 CAAGGGCCTGGTCCCCTCTCTGCTCTGGTGTGAGCCTGTTTCTGAGCCTCCCAGGACCTGTCTGGCT  
 CCAACCTCTCCTCCTCCCATCCTTCTCCCGAGCTGAGCCCATCCGTGTCATACCTGCCGGGACTG  
 GTGGACAACCTCAACAAGGCCTGGAGAGAACCATCCGGGACAACCTCGGGGTGAAAACACGGCCTGGG  
 AGGAAGAGAAGTTGTCCAAATACAAAGACAGTGAGACCCGCTGGTGGAGGTGCTGGAGGGCGTGTGCAG  
 CAGGTCAGACTTCGAGTGCCACCGCCTGCTCGAGCTGAGCGAGGAGCTGGTGGAAAAGTGGTGGTTTAC  
 AGGCAGCAGGAAGCCCCGACCTCTTCCAGTGGCTCTGTTCCGATTCCCTGAAGCTCTGTGCCCTCTG  
 GCACCTTTGGGCCCTCTGCCTGCCATGTCTGGGGCACAGAGAGGCCCTGCGGTGGCTACGGGCAGTG  
 TGAAGGGGAAGGACTCGAGGGGCAGCGGCCTGTGACTGCCAAGCCGGCTATGGGGGCAGGCCTGT  
 GGCCAGTGTGGCCTTGGCTACTTTGAGGCGGAGCGCAACAGCAGCCATCTGGTATGTTTCGGCGTGT  
 GTCTTTGTGCCCGCTGCACGGGACTGAGGAATCCATTGTCTGAGTGCAGAAAGGCTGGGCCCTGCA  
 TCACCTCAAGTGTGTAGACATCGATGAGTGTGGTACAGAGCAAGCCACCTGTGGAGCTGACCAGTTCTGT  
 GTGAACACAGAAGGATCCTACGAGTGCCGAGACTGTGCAAGGCCTGCCTGGGCTGTATGGGAGCAGGGC  
 CAGGGCGCTGCAAAAAGTGCAGCCGTGGCTACCAGCAGGTGGGCTCCAAGTGCCTAGATGTGGATGAGTG  
 TGAGACTGTGGTGTGTCCAGGAGAGAATGAGAAGTGTGAAAACACGGAGGGAGGCTACCGCTGTGTCTGT  
 GCTGAGGGCTACAGACAGGAGGACGGCATCTGCGTGAAGGAGCAGGTCCCGGAGTCGGCGGGCTTCTTTG  
 CGGAGATGACGGAGGATGAAATGGTGGTCTGCAGCAGATGTTCTTTGGTGAATCATCTGTGCGCTGGC  
 CACGCTTGCTGCCAAGGGTGACTTGGTGTCACTGCCATTTTATTGGAGCTGTGGCAGCCATGACTGGG  
 TACTGGTTGTGAGAGCGGAGTGACCGTGTGCTGGAGGGCTTCATCAAGGGTAGATAATCCCTGCCGCCAC  
 TCACAGGATTTCTCCACCCAGGCTGCTCCTAGAGGTTATTTCTCTCCTATGGATACCTGGGACAG  
 CATAGTTTCTCTTTGAGACTGGGGTAAACACCCTTTTACCTGCCTTACTGAGCAGCCAGGACCCAGTG  
 GCCCAGGGGTTGAAAAGAGGTCTGAAGCAGATGCCACGAGATCCTAGCCTAGGACTGACAGGCC  
 TCACCGTGTATGAATCCAAGACAGTTTCTCCCGAGGAGTTCAGGTTGGGCTTTGGCCCTGACCCGG  
 ATGAGAGGTGTCCCTCAGGGGTGGGCCCATAGGCCCTTGCAGGTGCATGCTGCCAGCTCCAGCTG  
 TGTATTCACCGCCACGCCCTAGCCATCGACTTATTTATTCATCTCAGGAAATAAAGGACGGTCTTGAAA  
 ATGGAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_133930
- Insert Size:** 1263 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC010804](#), [AAH10804](#)

**RefSeq Size:** 2078 bp

**RefSeq ORF:** 1263 bp

**Locus ID:** 171508

**UniProt ID:** [Q91XD7](#)

**Cytogenetics:** 6 52.77 cM

**Gene Summary:** Protein disulfide isomerase (By similarity). Promotes the localization of acetylcholine receptors (AChRs) to the plasma membrane (PubMed:30407909).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. COMPLETENESS: complete on the 3' end.