

## Product datasheet for MR201989

### Commd9 (NM\_029635) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Commd9 (NM\_029635) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Commd9  
**Synonyms:** 1810029F08Rik; AA409293  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201989 representing NM\_029635  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCTTGACAGCAGAGCATTTCTGGCGCTCCAGAGCCTACTGAAGGCCTCTCAAAGATGTTG  
 TCCGACAAGTGTGCAAGAAAGCTTCTCCAGTTTCATGCTTACTGACTCAGAAAGCCTCTAGATAAGACGTG  
 CTCCAGCTTGTCTGTGCCCCAGGGGAGGCAGCGCAACTGCTGCAGGCTCTGCACCACTTACCAGGCTG  
 GTGGCCTTCCGTGACCTGCTCTGCTGAGGCGATTCTGGCTCTCTTTCCGAAAATTTCCACAAAACC  
 TCAAAAACCTGCTGACAAAATCATCGTGGAGCACATATCGACTTGGAGAGCTGAAGCCCAAGCAAACCA  
 GATCTCTCTGCCACGCTGGTGGACTGGACTGGAGAGTGGACATCAAAAACCTCCTCTGACAACATCAGC  
 CGCATGGCTGTCCCACCTGCCTGCTCCAGATGAAGATCCAGGAGGATCCTAGTCTGTGTGGAGAGAAAC  
 CCTCCATCTCGGCTGTGACCATGGAGCTGAGCAAAGAGACGCTGGACACCATGTTAGATGGGCTGGGTGC  
 CATTCCGGGACCAGCTTTCTGCTGTAGCTAATAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201989 representing NM\_029635  
 Red=Cloning site Green=Tags(s)

MAALTAEHFVALQSLKASSKDVVRLCQESFSSSCLDSESLDDKTCSSLSVPQGEAAQLLQALHHFTRL  
 VAFRDLSSAEAILALFPENFHQNLKNLLTKIIVEHISTWRAEAQANQISLPRLDLDRVDIKTSSDNIS  
 RMAVPTCLLQMKIQEDPSLCEKPSISAVTMELSKETLDTMLDGLGRIRDQLSAVANK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9062\\_a10.zip](https://cdn.origene.com/chromatograms/mm9062_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029635

**ORF Size:** 594 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\\_029635.3](#), [NP\\_083911.1](#)

**RefSeq Size:** 1175 bp

**RefSeq ORF:** 597 bp

**Locus ID:** 76501

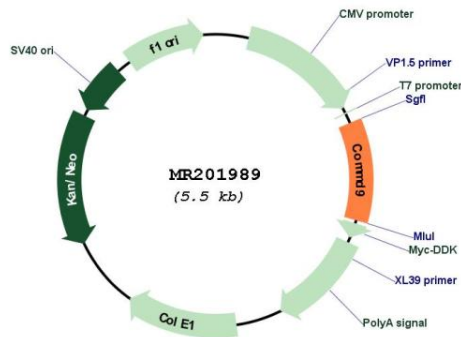
UniProt ID: [Q8K2Q0](#)

Cytogenetics: 2 E2

MW: 21.9 kDa

Gene Summary: May modulate activity of cullin-RING E3 ubiquitin ligase (CRL) complexes. May down-regulate activation of NF-kappa-B. Modulates Na(+) transport in epithelial cells by regulation of apical cell surface expression of amiloride-sensitive sodium channel (ENaC) subunits.  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201989