

## Product datasheet for **RG201067**

### COMMD3 (NM\_012071) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COMMD3 (NM\_012071) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** COMMD3  
**Synonyms:** BUP; C10orf8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG201067 representing NM\_012071  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCTCTCGGAGTCTGTGCAGAAAGGCTTCCAGATGCTGGCGGATCCCCGCTCCTTCGACTCCAACG  
CCTTCACGCTTCTCCTCCGGGCGCATTCCAGAGTCTGCTGGACGCCAGGCGGACGAGGCCGTGTAGA  
TCATCCAGACTTGAACATATCGACCCAGTGGTTTTAAAACATTGTCATGCAGCAGCTGCAACTTACATA  
CTAGAGGCAGAAAGCACCGAGCTGACAAGTCAACTCTAAGCACTTATCTAGAAGACTGTAATTTGACA  
GAGAGCGAATAGAACTGTTTTGCAGGAATATCAGAATAATAAGAATTCCTAGAAATCCTACTGGGAAG  
TATAGGCAGATCTCCCTCATATAACGGATGTTTCTTGGCGCTTGAATATCAGATAAAGACCAATCAA  
CTTCATAGGATGTACAGACCTGCATATTTGGTGACCTTAAGTGTACAGAACAAGTATCCCATCTATC  
CAGAGATTAGTTTTAGTTGCAGCATGGAACAATTACAGGACTTGGTGGGAAACTTAAAGATGCTTCGAA  
AAGCCTGGAAAGAGCAACTCAGTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201067 representing NM\_012071  
Red=Cloning site Green=Tags(s)

MELSESVQKGFQMLADPRSFDSNAFTLLLRAAFQSLLDQAQDEAVLDHPDLKHIDPVVLKHCHAAAATYI  
LEAGKHRADKSTLSTYLEDCKFDRERIELFCTEYQNNKNSLEILLGSIGRSLPHITDVSWRLEYQIKTNQ  
LHRMYRPAYLVTLVSVQNTDPSYPEISFSCSMEQLQDLVGKLDASKSLERATQL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_012071

**ORF Size:** 585 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\\_012071.4](#)

**RefSeq Size:** 946 bp

**RefSeq ORF:** 588 bp

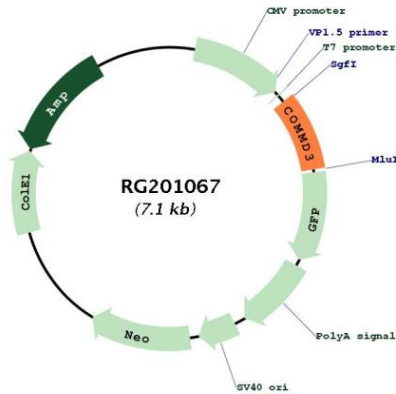
**Locus ID:** 23412

**UniProt ID:** [Q9UBI1](#)

**Cytogenetics:** 10p12.2

**Gene Summary:**

May modulate activity of cullin-RING E3 ubiquitin ligase (CRL) complexes (PubMed:21778237). May down-regulate activation of NF-kappa-B (PubMed:15799966). Modulates Na(+) transport in epithelial cells by regulation of apical cell surface expression of amiloride-sensitive sodium channel (ENaC) subunits (PubMed:23637203).[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for RG201067