

Product datasheet for **RG203050**

COMMD9 (NM_014186) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COMMD9 (NM_014186) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: COMMD9
Synonyms: C11orf55; HSPC166; LINC00610
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203050 representing NM_014186
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCCTGACAGCGGAGCATTTTGCAGCACTCCAGAGCCTGCTCAAGGCCTCTCGAAAGATGTTG
TCAGACAGCTGTGTCAAGAAAGCTTTCCAGTTCAGCCCTTGGCTTGAAAAACTCTGGATGTTACATG
TTCCAGCTTGTCTGTGACCCAGGAGGAGGCAGAGGAAGTCTCCAGGCTCTGCACCGCTCACTAGGCTG
GTGGCATTCCGTGACCTGCTCTGCCGAGGCAATTCTGGCTCTTTCCAGAAAATTTCCACAAAAC
TCAAAAACCTGCTGACAAAGATCATCTAGAACATGTGTCTACTTGGAGAACCGAAGCCAGGCAAATCA
GATCTCTCTGCCACGCTGGTTCGATCTGGACTGGAGAGTGGATATCAAAACCTCCTCAGACAGCATCAGC
CGCATGGCCGTCCACCTGCCTGCTCCAGATGAAGATCCAAGAAGATCCAGCCTATGCGGAGACAAAC
CCTCCATCTCAGCTGTACCGTGGAGCTGAGCAAAGAAACTGGACACCATGTTAGATGGCCTGGGCC
CATCCGAGACCACTCTCTGCCGTGGCCAGTAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203050 representing NM_014186
Red=Cloning site Green=Tags(s)

MAALTAEHFAALQSLKASSKDVVRQLCQESFSSSALGLKLLDVTSSLSVTQEEAEELLQALHRLTRL
VAFRDLSSAEAILALFPENFHQNLKNLLTKIILEHVSTWRTEAQANQISLPRLVDLDRVVDIKTSSDSIS
RMAVPTCLLQMKIQEDPSLGGDKPSISAVTVLVELSKETLDTMLDGLGRIRDQLSAVASK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_014186

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_014186.4](#)

RefSeq Size: 1318 bp

RefSeq ORF: 597 bp

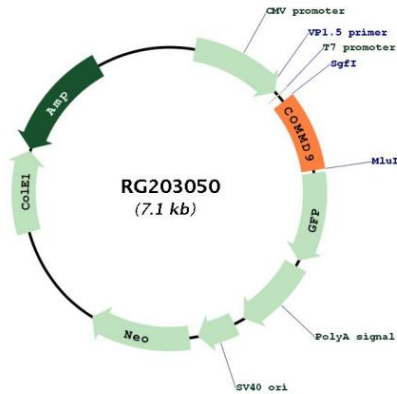
Locus ID: 29099

UniProt ID: [Q9P000](#)

Cytogenetics: 11p13

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 RG203050