

Product datasheet for **RR203841**

Commd3 (NM_198732) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Commd3 (NM_198732) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Commd3
Synonyms: MGC72959
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203841 representing NM_198732
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCTCTCCGAGTATGTACAGAGAGGCATCCAGACGCTGGCGGATCCCGTTCTTTGACTCCAGCG
CCTTCGCGTTCTCTCCGGGCGGCTTCCAGAGCCTGCTGGACGCCAGGCGGACGAGGCCGCGCTAGA
TCAACCAGACTTGAACATATCGACCCAGTGGTTTTAAAGCATTGTCATGGGCAGCTGCAACTTACATA
CTGGAGGCAGAAAGCACCGAGTTGACAAGTCTACTCTAAGCACTATTTAGAAGACTGTAATTTGACC
GAGAGCGAATAGAACTGTTTTGCACGGAGTATCAGAATAATAAGAATTCTCTAGAAATCCTACTGGGAAG
TATAGGTAGAGCTCTCCCTCATATAACTGATGTTTCTGGCGATTGGAATATCAGATAAAGACCAACCA
CTTCATAAGATGTGTCGACCTGGATATTTAGTGACCTTAAACGTAGAGAACGCTGATTTCCAATCCTACC
CAGAGATTAGTTTTAGTTGCAGCATGGAGCAGTTACAGGATTTGGTGGGAAACTTAAGGATGCTTCAA
AAGCCTGGAAAGAGCAACTCAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203841 representing NM_198732
Red=Cloning site Green=Tags(s)

MELSEYVQRGIQTLADPGSFDSSAFALLLRAAFQSLLDQAQADEAALDHPDLKHIDPVVLKHCHGAAATYI
LEAGKHRVDKSTLSTYLEDCKFDRERIELFCTEYQNNKNSLEILLGSIGRALPHITDVSWRLEYQIKTNQ
LHKMCRPGYLVTLNVENADSQSYPEISFSCSMEQLQDLVGKLDASKSLERATQL

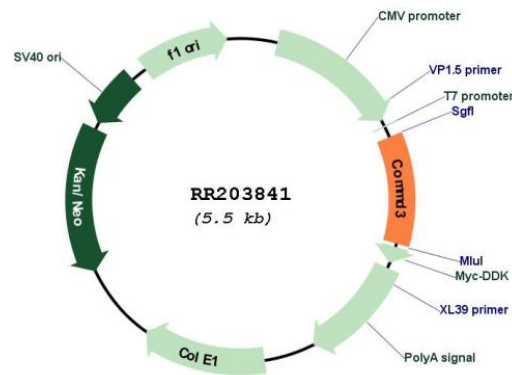
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_198732

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_198732.2](#), [NP_942027.1](#)

RefSeq Size: 952 bp

RefSeq ORF: 588 bp

Locus ID: 291339

UniProt ID: [Q6P9U3](#)

Cytogenetics: 17q12.3

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]