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Product datasheet for RC209638

COMMD4 (NM_017828) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COMMD4 (NM_017828) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COMMD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC209638 representing NM_017828
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGTTCCGGTTCTGTGGTGATCTGGACTGTCCCGACTGGGTCCTGGCAGAAATCAGCACGCTGGCCA
AGATGTCCTCTGTGAAGTTGCGGCTGCTCTGCAGCCAGGTACTAAAGGAGCTGCTGGGACAGGGGATTGA
TTATGAGAAGATCCTGAAGCTCACGGCTGACGCCAAGTTTGAGTCAGGCGATGTGAAGGCCACAGTGGCA
GTGCTGAGTTTCATCCTCTCCAGTGCGGCCAAGCACAGTGTCGATGGCGAATCCTTGTCCAGTGAACTGC
AGCAGCTGGGGCTGCCCAAAGAGCACGCGGCCAGCCTGTGCCGCTGTTATGAGGAGAAGCAAAGCCCCTT
GCAGAAGCACTTGCGGGTCTGCAGCCTACGCATGAATAGGTTGGCAGGTGTGGGCTGGCGGGTGGACTAC
ACCCTGAGCTCCAGCCTGCTGCAATCCGTGGAAGAGCCCATGGTGCACCTGCGGCTGGAGGTGGCAGCTG
CCCCAGGGACCCCAGCCCAGCCTGTTGCCATGTCCCTCTCAGCAGACAAGTTCCAGGTCCTCCTGGCAGA
ACTGAAGCAGGCCCAGACCCTGATGAGCTCCCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC209638 representing NM_017828
Red=Cloning site Green=Tags(s)

MRFRFCGDLDCPDWVLAEISTLAKMSSVKLRLLCSQVLKELLGQGIDYEKILKLTADAKFESGDVKATVA
VLSFILSSAAKHSVDGESLSSELQQLGLPKEHAASLCRCYEEKQSPLQKHLRVCSLRMNRLAGVGWRVDY
TLSSSLLQSVEEPMVHLRLEVAAAPGTPAQPVAMSLSADKFQVLLAELKQAQTLMSSLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/mg3411_b08.zip

View online »

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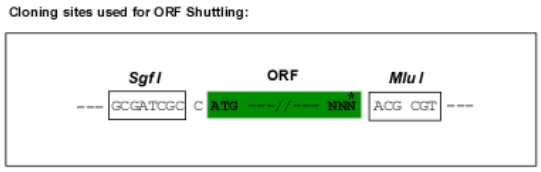
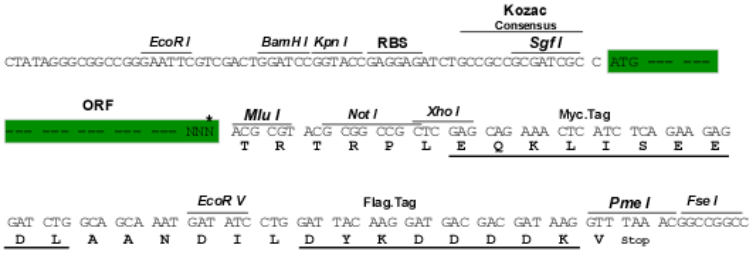
Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_017828

ORF Size: 597 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_017828.5

RefSeq Size: 1948 bp

RefSeq ORF: 600 bp

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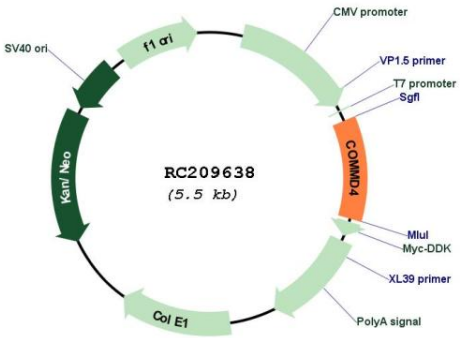
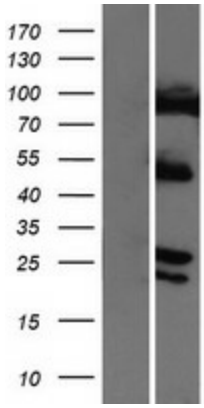
Locus ID:	54939
UniProt ID:	Q9H0A8
Cytogenetics:	15q24.2
MW:	21.6 kDa
Gene Summary:	May modulate activity of cullin-RING E3 ubiquitin ligase (CRL) complexes (PubMed:21778237). Down-regulates activation of NF-kappa-B.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC209638



Western blot validation of overexpression lysate (Cat# [LY413513]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209638 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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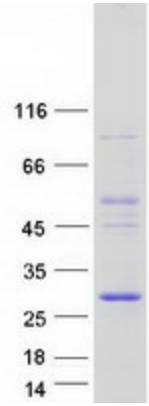

Coomassie blue staining of purified COMMD4 protein (Cat# [TP309638]). The protein was produced from HEK293T cells transfected with COMMD4 cDNA clone (Cat# RC209638) using MegaTran 2.0 (Cat# [TT210002]).

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