

Product datasheet for RC205085

COMMD8 (NM_017845) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COMMD8 (NM_017845) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COMMD8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205085 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGGAAGAGGGGACGCCCTTGTGGCGGCTGCAGAAGCTGCCGGCCGAGCTGGGCCCGCAGCTTC
TTCACAAAATAATTGATGGCATTGTGGTCGAGCTTATCCTGTGTACCAAGATTATCACACTGTTTGGGA
ATCAGAAGAATGGATGCACGTTTTAGAAGATATTGCCAAATTTTCAAAGCCATAGTTGGTAAAACTTA
CCTGATGAAGAGATATTTACGAGTTGAATCAGTTGAATTCATCAAGAACTATCATGAAATGCG
TGAAAAGTAGGAAAGATGAAATCAACAGGCTCTGTCAAGAGAAATAGTTGCTATTTCCTCTGCACAGCT
ACAGGATTTTGTATTGGCAGGTAAGCTTGCATTTCCAGTGACAAGATTGCTGCATTACGAATGCCACTT
TTAAGCCTGCATCTAGATGTAAAGAAAATGGTGAAGTAAACCTTATTCTATTGAAATGAGTAGAGAGG
AGCTGCAGAATCTAATACAGTCCTTGAAGCAGCGAATAAGGTGGTCTGCAGTTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

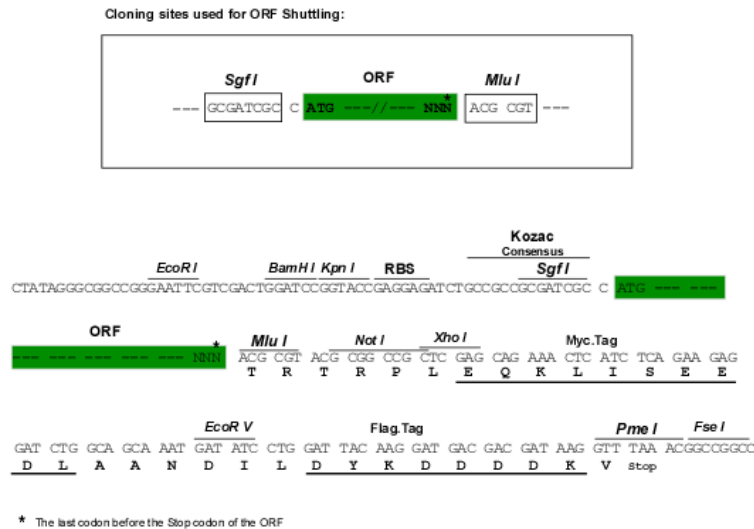
Protein Sequence:	>RC205085 protein sequence Red=Cloning site Green=Tags(s)
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MEPEEGTPLWRLQKLPAELGPQLLHKIIDGICGRAYPVYQDYHTVWESEWMHVLEDIKFFKAIVGKNL
PDEEIFQQLNQLNSLHQETIMKCVKSRKDEIKQALSREIVAISQAQLQDFDWQVKLALSSDKIAALRMPL
LSLHLDVKENGVEPKPYSIEMSREELQNLIQSLEAANKVVLQKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6421_b05.zip
Restriction Sites:	SgfI-MluI


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Cloning Scheme:


ACCN: NM_017845

ORF Size: 549 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_017845.5](#)

RefSeq Size: 1438 bp

RefSeq ORF: 552 bp

Locus ID: 54951

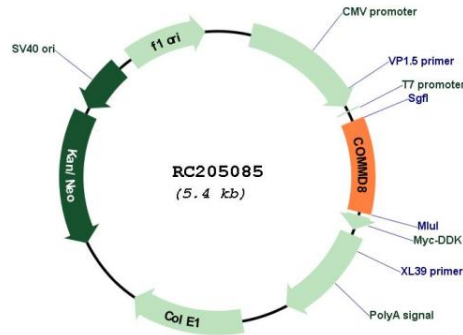
UniProt ID: [Q9NX08](#)

Cytogenetics: 4p12

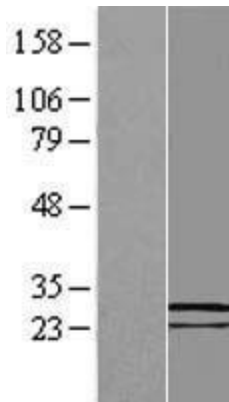
MW: 21.1 kDa

Gene Summary: The protein encoded by this gene binds coiled-coil domain-containing protein 22 (CCDC22), and this complex can regulate the turnover of I-kappa-B and the activation of NF-kappa-B. [provided by RefSeq, Jul 2016]

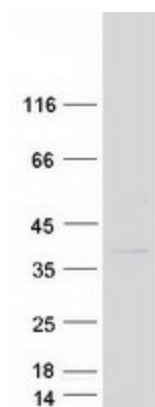
Product images:



Circular map for RC205085



Western blot validation of overexpression lysate (Cat# [LY413465]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205085 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified COMMD8 protein (Cat# [TP305085]). The protein was produced from HEK293T cells transfected with COMMD8 cDNA clone (Cat# RC205085) using MegaTran 2.0 (Cat# [TT210002]).