OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC220922

CCDC19 (CFAP45) (NM_012337) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC19 (CFAP45) (NM_012337) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC19
Synonyms:	CCDC19; NESG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC220922 representing NM_012337
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

ATGCCACTAAGCACAGCTGGCATCCTGAGCTCCTCTTCTGCCGCTTCCAACAGGTCAAGGAATAAGGCTC
GCTATCGGACCAAAGCCGTGAGCTCTGAGGTGGATGAGAGCCTCTTTGGAGATATCAAGTCCCCAGCCCA
GGGCCAGAGCGACAGCCCCATTGTGCTGCTCCGAGATAAGCATACCCTTCAAAAAACTCTCACTGCTTTG
GGCTTGGATCGCAAGCCAGAGACCATCCAGCTCATCACCCGGGACATGGTCCGAGAACTCATTGTTCCCA
CAGAGGATCCCTCCGGGGAGTCCCTAATCATCAGCCCTGAGGAGTTTGAGCGAATCAAATGGGCATCCCA
TGTCCTGACCAGAGAAGAACTTGAGGCCAGGGACCAGGCCTTCAAGAAGGAGAAGGAAGCCACCATGGAT
GCAGTGATGACACGAAAGAAGATCATGAAACAGAAGGAGATGGTGTGGAACAACAACAAGAAGCTCAGTG
ACCTGGAGGAGGTGGCCAAGGAACGGGCCCAGAACCTCCTGCAGAGAGCCAACAAGCTGCGGATGGAGCA
GGAGGAGGAGCTCAAGGACATGAGCAAGATTATCCTCAATGCTAAGTGCCATGCCATCCGGGATGCCCAA
ATCCTGGAGAAGCAGCAGATCCAAAAAGAACTGGACACAGAAGAGAAGCGGTTGGATCAGATGATGGAAG
TGGAGCGGCAGAAATCCATTCAAAGGCAGGAGGAACTGGAGAGGAAGAGGAGGGAGGAAAGAATTAGAGG
AAGGCGGCAAATTGTGGAACAGATGGAAAAGAACCAGGAGGAGCGATCGCTGCTTGCTGAGCAGCGGGAG
CAGGAGAAGGAGCAGATGCTGGAATATATGGAACAGCTCCAAGAGGAAGATCTAAAGGACATGGAACGAA
GGCAGCAACAAAAACTGAAGATGCAAGCTGAGATTAAGCGCATCAATGATGAAAACCAGAAACAGAAAGC
AGAACTGCTGGCTCAGGAGAAGCTGGCAGACCAGATGGTGATGGAGTTTACCAAGAAGAAGATGGCTCGA
GAAGCAGAGTTTGAGGCTGAGCAGGAGAGAATCCGGAGGGAGAAAGAGAAGGAGATCGCACGCTTGAGGG
CCATGCAGGAGAAGGCCCAGGATTACCAGGCAGAACAGGATGCCTTGCGGGCCAAGCGCAACCAGGAGGT
TGCAGACAGAGAGTGGCGCAGAAAGGAAAAGGAAAATGCGCGGAAGAAGATGGAAACAGAGGCTGAGCTG
CGAAAAAGTCGGCTCGAACAGGTGGCTTTCAAGGAGCACGCTCTGGCTGTTCAGGTGCAACGGGACCGGG
ATGAGTTCGAGAGGATTCTTCGGGCTCAGAGAGAACAGATTGAGAAGGAGCGGCTGGAGGAGGAGAAAAA
GGCCACAGGGCGCTTACAGCATGCCAATGAGCTCCGGCGCCAGGTGCGCGAGAACCAGCAGAAGGAAGTG
CAGAACCGGATTGCCACCTTTGAGGAGGGCCGGCGCCTCAAAGAGGAGGCCCAGAAACGCCGTGAGCGCA
TCGATGAGATCAAGAGGAAAAAGCTTGAAGAGCTGAGAGCCACTGGCCTTCCCGAGAAGTACTGCATTGA
AGCTGAGCGCAAAGCTAACATCCTGCCAGCTACCTCTGTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220922 representing NM_012337
Red=Cloning site Green=Tags(s)

MPLSTAGILSSSSAASNRSRNKARYRTKAVSSEVDESLFGDIKSPAQGQSDSPIVLLRDKHTLQKTLTAL
GLDRKPETIQLITRDMVRELIVPTEDPSGESLIISPEEFERIKWASHVLTREELEARDQAFKKEKEATMD
AVMTRKKIMKQKEMVWNNNKKLSDLEEVAKERAQNLLQRANKLRMEQEEELKDMSKIILNAKCHAIRDAQ
ILEKQQIQKELDTEEKRLDQMMEVERQKSIQRQEELERKRREERIRGRRQIVEQMEKNQEERSLLAEQRE
QEKEQMLEYMEQLQEEDLKDMERRQQQKLKMQAEIKRINDENQKQKAELLAQEKLADQMVMEFTKKKMAR
EAEFEAEQERIRREKEKEIARLRAMQEKAQDYQAEQDALRAKRNQEVADREWRRKEKENARKKMETEAEL
RKSRLEQVAFKEHALAVQVQRDRDEFERILRAQREQIEKERLEEEKKATGRLQHANELRRQVRENQQKEV
QNRIATFEEGRRLKEEAQKRRERIDEIKRKKLEELRATGLPEKYCIEAERKANILPATSVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8041_f09.zip

Restriction Sites: AscI-MluI

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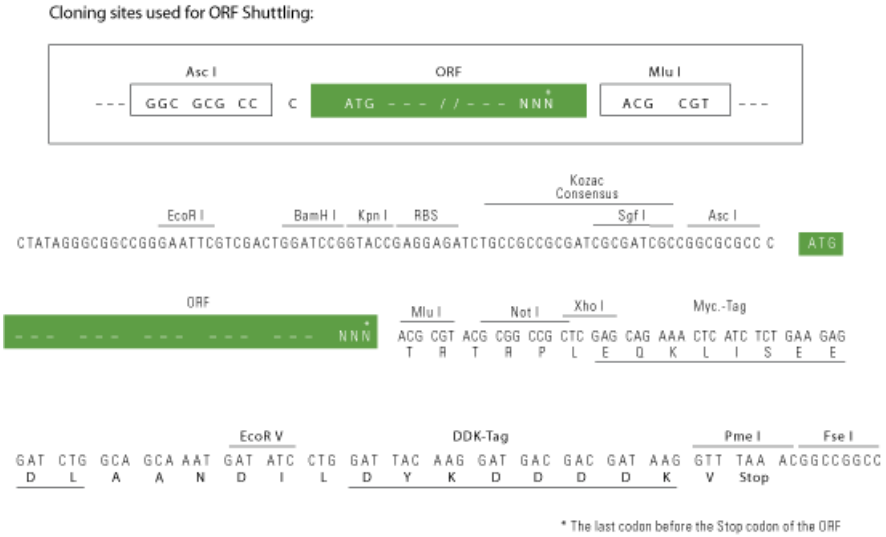
Cloning Scheme:



ACCN: NM_012337

ORF Size: 1653 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_012337.3

RefSeq Size: 1836 bp

RefSeq ORF: 1656 bp

Locus ID: 25790

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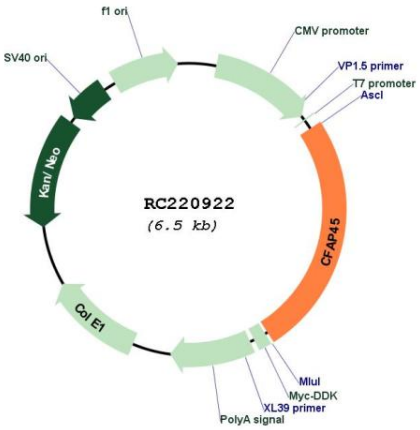
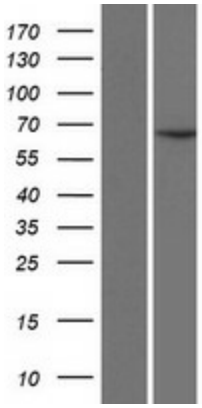
UniProt ID:	Q9UL16
Cytogenetics:	1q23.2
MW:	65.5 kDa

Product images:



Circular map for RC220922



Western blot validation of overexpression lysate (Cat# [LY415833]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220922 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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