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Product datasheet for RC239381

CCDC21 (CEP85) (NM_001281517) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC21 (CEP85) (NM_001281517) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC21
Synonyms:	CCDC21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC239381 representing NM_001281517
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCATGCAGGAGAAATATCCAACTGAGGGGATCTCTCACGTCACTTCACCGAATTTTTGCAGCTCAA
GTGGCAGTCCTCCTTTCCAGCCCATCAAAAGCCACGTAACCATTCCAACAGCCCATGTGATGCCTTCTAC
TTTAGGGACCTCTCCTGCCAAGCCAAATTCTACACCTGTTGGACCCTCTTCCTCTAAACTCCCTTTGTCA
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GGGCCATGAAAGACAAGAAGAGGCGAGGAAGTTTGATATTCCTAGCATGGAATCTACCCTCAATCAGTCG
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GTAAGGAGTTGTACAGAGTGTTGCCTGAGGCCAAGAAGGCACCGGGCAGCGGGGCAGTGTTTGAGCGGAA
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CTGCCCTCTCAGGTGTGGCAGCCGAGTCCTGACACTTGGCATCCCCGAGAGCAATCTTGTGAACTCAGCA
CTTGTCGGCAGCAGCTGGAATTGATTCGTTTACAGATGGAGCAAATGCAGCTTCAGAATGGAGCCATCTG
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TCCTGGGCATTCACTCAGCACAGCACCCAGAGACTCAGCTAGATTTGCAGAAGCCAGATGTGATCAAGAG
GAAACTAGAAGAGGTTCAACAGCTGCGTCGTGACATTGAGGACTTAAGGACCACCATGTCAGACAGATAT
GCCCAGGACATGGGAGAAAACTGTGTCACACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239381 representing NM_001281517
Red=Cloning site Green=Tags(s)

MAMQEKYPTEGISHVTSPNFCSSSGSPPFQPIKSHVTIPTAHVMPSTLGTSPAKPNSTPVGPSSSKLPLS
GLAESVGMTRNGDLGAMKHSPGLSRDLMYFSGATGENGIEQSWFPAVGHERQEEARKFDIPSMESTLNQS
AMMETLYSDPHHRVRFHNPRTSTSKELYRVLPEAKKAPGSGAVFERNGPHSNSSGVLPLGLQPAPGLSKP
LPSQVWQPSPDTWHPREQSCELSTCRQQLELIRLQMEQMQLQNGAICHHPAAFGPSLPILEPAQWISILN
SNEHLLKEKELLIDKQRKHISQLEQKVRESELQVHSALLGRPAPFGDVCLLRLQELQRENTFLRAQFAQK
TEALSREKIDLEKKLSASEVEVQLIRESLKVALQKHSEEVKKQEERVKGRDKHINNLKKKCQKESEQNRE
KQQRIETLERYLADLPTLEDHQKQSQQLKDSELKSTELQEKVTELESLLEETQAICREKEIQLESLRQRE
AEFSSAGHSLQDKQSVEETSGEGPEVEMESWQKRYDSLQKIVEKQQQKMDQLRSQVQSLEQEVAQEEGTS
QALREEAQRRDSALQQLRTAVKELSVQNQDLIEKNLTLQEHLRQAQPGSPPSPDTAQLALELHQELASCL
QDLQAVCSIVTQRAQGHDPNLSLLLGIHSAQHPETQLDLQKPDVIKRKLEEVQQLRRDIEDLRTTMSDRY
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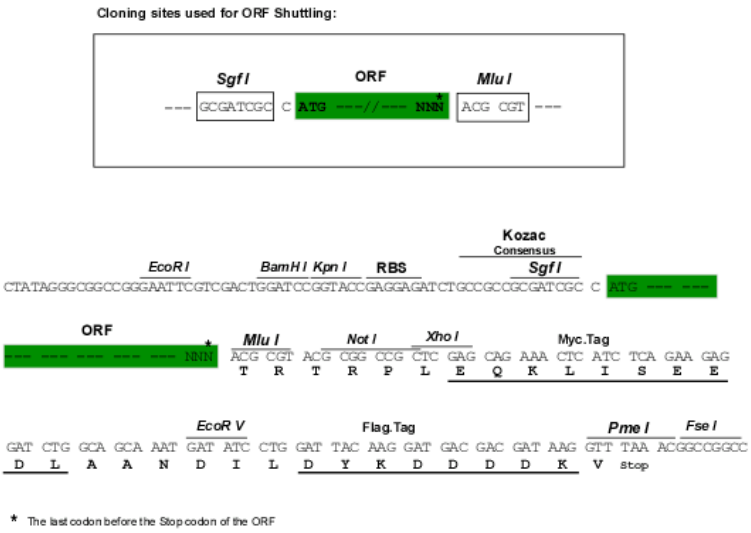
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001281517

ORF Size: 2133 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_001281517.3

RefSeq Size: 4061 bp

RefSeq ORF: 2136 bp

Locus ID: 64793

UniProt ID: Q6P2H3

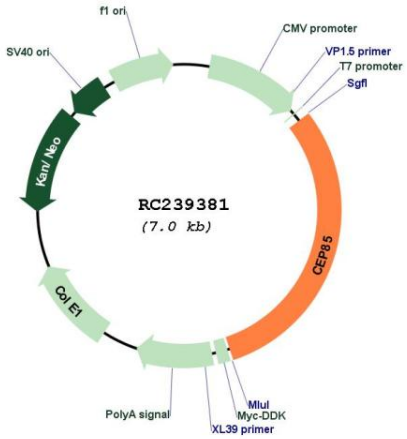
Cytogenetics: 1p36.11

Protein Families: Druggable Genome

MW: 80.8 kDa

Gene Summary: This gene encodes a protein that belongs to the centrosome-associated family of proteins. The centrosome is a subcellular organelle in the animal cell that functions as a microtubule organizing center and is involved in cell-cycle progression. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC239381