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Product datasheet for RC206427

CCDC71 (NM_022903) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC71 (NM_022903) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC206427 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGTGGTGGTTCAGCATGTGGAGGAAAAAGCTGTGCACTCCTGGTCGCGCATCTCCACGGCAGGGA
AGAAGGCCCTGGAAGAGGCACTGCTTGTCTTTAACCCAATGAGCCAGGATCTCAGTGCCACAGAGGCCCA
GCTTGTGGCCTTCCTGCAGGGCCTGCGAGATGATGGCTTCCAACCTACCATCCTGCGCAGTGGTGATGTC
TATGGCTATAGTTCATGCACAGCTAATCCCCCAAGCCAGACGAAACTGCAAGCTCGTGCCCCTAACCCAA
CTGCCACATCACCTCCAGCCAGTGCTCCCCGAACTGCCATGCGGTTGCCTGCAGGTCGGGCCACACTGCT
TCCCATGCCGCTATCTGGCAGACTGGCCAAAGCATCCACACCAGCCCTTGCCAAGCATGCTACCACCAAC
CTGCTGCTGAGCTCTCTGAAGCAATCAAGTGCCAGCCATGCCCGGGGTGCAGCAGTGGGCTTCCCCACCC
ACCTTTATCCAGGTGTCTACCCTGCCATGCGGCTCTCTGTTGTCCTTGAGGCCCTGGTTCCACTTAAGAC
TCCCATGCCCTGCTTGGGTGCCAAGCACAAGGCACAGTCACTGCAGCTCTCACTTGCAGACTCTCCTCTG
AAACTGCGGAAAAGTTCAGGGAAGGGTCCGGGGAACCCTCGGCCCAAAGCTCCCAGAAAAACCACAAGCA
AGGGCCCCAAGTGTCTGACTCGCAAAGGCCCTGGGGCTGGACCCCGACGAGGCTCTGGGCACCAGAGCAA
AACCAACAGAGCCACTGGGTCCCCCAGTGTCCGGCGAATGAAAGGGGGCTCTGCCCTGGGCACCAAAACA
GCCCAGGCCAAGGTAGCTCGAACACTGGCCAAAGCTGCTCGTGCCCAAGCCAAGGTGGCTCGAACACAGG
CCAAGGCTGCTAAGGCCCGGGCCAAGGCCAAGGCAGCACTGGTCAAGGCTAAGGCCAAAGCTAAGGCAGC
ACAGGTCAAGGCCAAGGCCAAAGTCATGGCAGCACGGGCCAAGGCCAAGGCTAAAGCCAAGGCAGTACGG
GCCAAGGCCAAGGTGGCTCGGACCCAGCCCAGGGGCAGAGGCAGGCCAAAGGGATCTGCTAAGGCCAGAA
CTACAAGGAAGGGCCAGAAAAACCGCCCTGAGACTGTTGGGCAGAAGAGGAAAAGGGCTGAGGAGGCAAA
AGATCTTCCTCCCAAGAAGAGAACACGGCTTGGGCCCCGATCTCCTAAGGCATGGCTAGGGCCTGGAACA
GCAAAGCTGCTGAAGTTCCGTGCCATAAAGGTAGATAGGCGGTCCTCGGATGATGAGGTGCGGCAGCGGG
CTCAGCGGATCCTCCGCGTGAACCTGTCACCTGTAATACGGCTCCAGCCATTGCTGCCATATTCAGCAGT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206427 protein sequence
Red=Cloning site Green=Tags(s)

MSVVVQHVEEKAVHSWSRISTAGKKALEEALLVFNPMSQDLSATEAQLVAFLQGLRDDGFQPTILRSGDV
YGYSSCTANPPSQTKLQARAPNPTATSPPASAPRTAMRLPAGRATLLPMPLSGRLAKASTPALAKHATTN
LLLSSLKQSSASHARGAAVGFPTHLYPGVYPAMRLSVVLEALVPLKTPMPCLGAKHKAQSLQLSLADSPL
KLRKSSGKGPGNPRPKAPRKTTSKGPKCLTRKGPGAGPRRGSGHQSKTNRATGSPSVRRMKGGSALGTKT
AQAKVARTLAKAARAQAKVARTQAKAAKARAKAKAALVKAKAKAKAAQVKAKAKVMAARAKAKAKAKAVR
AKAKVARTQPRGRGRPKGSAKARTTRKGQKNRPETVGQKRKRAEEAKDLPPKKRTRLGPRSPKAWLGPGT
AKLLKFRAIKVDRRSSDDEVRQRAQRILRVNLSPVIRLQPLLPYSAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6328_a06.zip

Restriction Sites: SgfI-MluI

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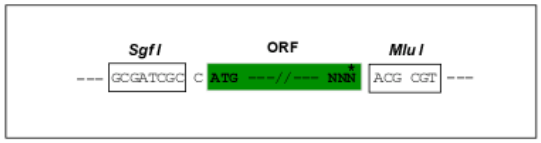
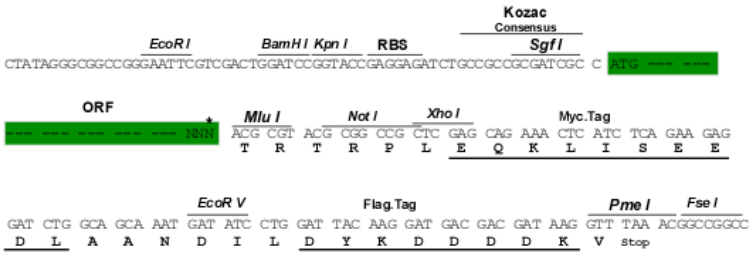
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN: NM_022903

ORF Size: 1401 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_022903.2, NP_075054.2

RefSeq Size: 1851 bp

RefSeq ORF: 1404 bp

Locus ID: 64925

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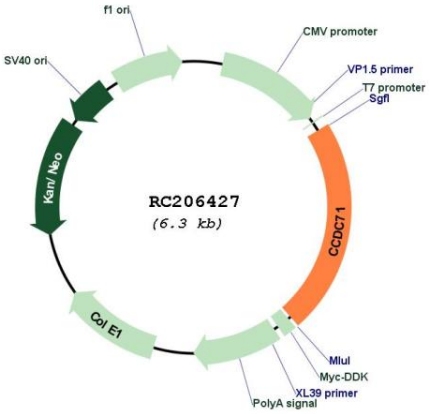
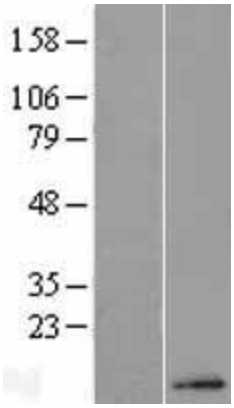
UniProt ID:	Q8IV32
Cytogenetics:	3p21.31
MW:	49.6 kDa

Product images:



Circular map for RC206427



Western blot validation of overexpression lysate (Cat# [LY411476]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206427 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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