

Product datasheet for **RC221752**

CCDC42 (NM_144681) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC42 (NM_144681) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC42
Synonyms:	CCDC42A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221752 representing NM_144681 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCTGGGCATCATGGAAGAGGAAGACCTGGCCGAGTACTCCGGCTGCAGTATGGGGAGCGGCTGC
TGCAGATGCTCCAGAACTCCCAATGTTGAGGGGGCGTCGGAGTCCCATCCATCTGGCTACTGGAGAA
GAAAAAGGAGACAGAAATCATGCATCAAATATGGTGCAGAAGAAGAAGATGTTTCAGCGCAGAATGGAA
ACCCTGAACCTGCGCTGGGAGGAACTGGGCGTTAAGGAAGCCCAACTGAAGGCTCACATCCAGAAGTCTG
AGCAGTTCATCCAGGAGAACGACCAGAAACGGATCCGCGCCATGAAGAAAGCCAACAAGGAGCGAGA
CAAGTGCCAGCAGCATGCAGGAGCTGACCAAGCGCAAGCAGGAGATGGTGGCGCTGCGGCTGGAGCACCAG
CGGCTGAGCGCCAAGCTGAAGGACTACTACATCTTCAACAAGTACCTAGAGAAGGTGGTGGAGA
AGTTTCGAGGAGATCCATGAGGTGATTGCACGCTACAAGACGCTGGTGGAGCATGCGCCACGACCTCATGCA
GTCTGCGCAGGAAGGCCAGGAGAAGATTGAGCGCGCAAGGCCCGGCTGGCGCGCTACATGGAGGAAAAAG
GATGATGAGATCCTGCAGCAAAACAATGAGCTGGCAAGGCTGCAGATGCGCTTTGACCGTCCCCGCAGCA
ATGTCATCTTCTGGGAATCTCGCTGGGCGCACATCCAGAACCCGAGCCAAGAAGACCCCTCCTGCTTGG
CACCATTAAGATGGCCACGCTGAACCTCTTCCAGATCGTGAGCAAGCACCTGAAGGAGGTGACTGAGGTG
GCACTGGAGGACCCCAAGCAGCTGGACATGATCCAGCAATTTATCCAAGACCGGTGCGACATCTGGG
CAGAGGTGAAAAAGAAGGAACAACAGCGAGTCCGGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221752 representing NM_144681
 Red=Cloning site Green=Tags(s)

MSLGIMEEEDLAEYFRLQYGERLLQMLQKLPNVEGASESPSIWLLLEKKKETEIMHQTMVQKKKMFQRRME
 TLNLRWEELGVKEAQLKAHIQKSEQFIQENDQKRIRAMKKANKERELKCOHMQELTKRKQEMVALRLEHQ
 RLSAKLKDYIIFNKYLEKVVENSEFEEIHEVIARYKTLVSMRHDLMQSAQEGQEKI ERAKARLARYMEEK
 DDEILQQNNELARLQMRFRDRARSNVIFWESRWAHIQNTAAKTKLLLTGTIKMATLNLFFQIVSKHLKEVTEV
 ALEDTHKQLDMIQQFIQDRSDIWAIEVKKKEQQRVRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8040_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144681

ORF Size: 948 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.

RefSeq: [NM_144681.3](#)

RefSeq Size: 1374 bp

RefSeq ORF: 951 bp

Locus ID: 146849

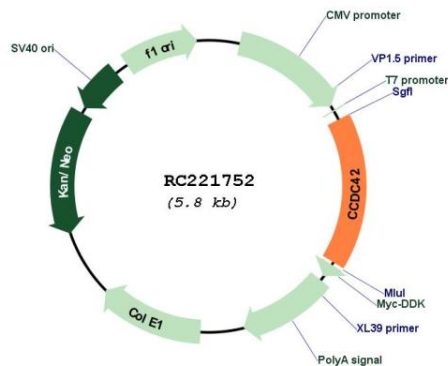
UniProt ID: [Q96M95](#)

Cytogenetics: 17p13.1

MW: 37.8 kDa

Gene Summary: Required for sperm development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221752