

Product datasheet for **RC206244**

CCDC68 (NM_025214) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC68 (NM_025214) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC68
Synonyms:	SE57-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206244 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAACAGTGACAGTGACACAGAAATCCCCAAGGGATAAGATGGAAGATAATTCTGCCTTGATG
 AGTCTACGTCCGCTCACATTATTGAAGAAACCGAGTATGTGAAAAAGATTCGAACACTCTGCAAAAGAT
 CAGGACCCAGATGTTTAAAGATGAAATAAGACATGACAGTACAAATCACAACTAGATGCAAAAGCACTGT
 GGAAACCTTCAACAGGGCTCTGATTCTGAAATGGATCCTTCTTGTGCAGTTTGGATTTGCTTATGAAAA
 AGATAAAAGGAAAAGACCTACAGCTCTTAGAAATGAACAAAGAGAATGAAGTATTGAAAACTAACTGCA
 AGCCTCCAGAGAAGCAGGAGCAGCAGCTCTGAGAAACGTGGCCAGAGATTATTTGAAAACTACCAAACG
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 AACAGAAATTGAAACAACATGTTGAAAACTGAATCAAGTTGCTGAAAACTTGAAGAAAAACACAGTCA
 AATTACAGAATTGGAGAACCTTGTACAGAGAATGGAAAAGGAAAAGAGAACTACTAGAAAAGAACTG
 TCTTTGAAAAACAAGCTACTGCAACTCAATCCAGTGCTACATATGAAAAAGTTGCCAGGATCTTCAGA
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 GCGCAGTGTATCCAGGAGATGGAAGGATTAATAAATTTAAAGAACAAGACAAAAGAATTGAAAT
 CTCAGAGAAAAGGTTAACATACTTGAAGCCCAGAATAAAGAACTAAAAACCCAGGTAGCACTTTTCATCTG
 AAACCTCTAGGACAAAGGTATCTAAGGCTGTCTCTACAAGTGAATTGAAGACCGAAGGTGTTTCCCTTA
 TTTAATGTTGATTAGGTTACGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC206244 protein sequence
 Red=Cloning site Green=Tags(s)

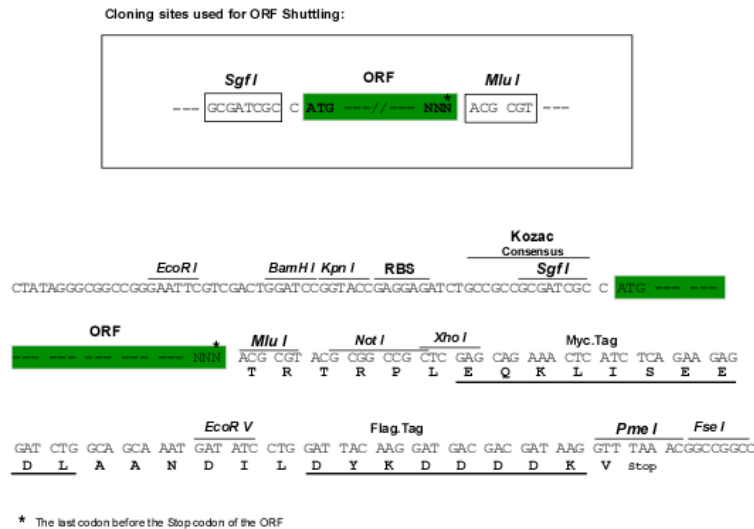
MTTVTVTTEIPPRDKMEDNSALVESTSAHIEETEYVKKIRTTLQKIRTQMFKDEIRHDSTNHKLDKHC
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 QSEEVRRKKQEDSKQLLQVNKLEKEQKLQKHVENLNQVAEKLEEKHSQITELNLVQRMEKEKRTLLERKL
 SLENKLLQLKSSATYGKSCQDLQREISILQEIQSHLQFVIHSQHQLRSVIQEMEGLKNNLKEQDKRIEN
 LREKVNILEAQNKELKTQVALSSETPRTKVSKAVSTSELKTEGVSPYMLIRLRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6322_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025214

ORF Size: 1005 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_025214.3](#)

RefSeq Size: 4136 bp

RefSeq ORF: 1008 bp

Locus ID: 80323

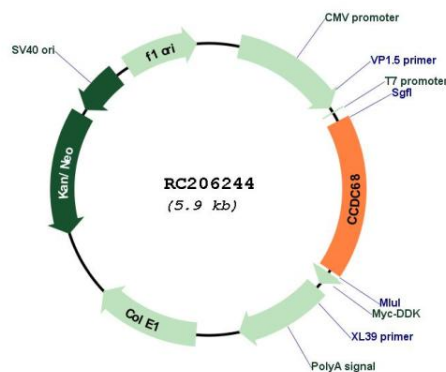
UniProt ID: [Q9H2F9](#)

Cytogenetics: 18q21.2

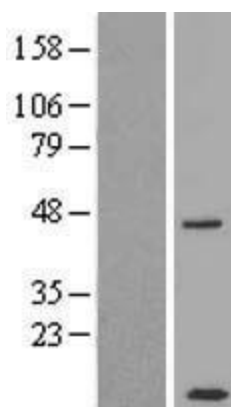
MW: 38.9 kDa

Gene Summary: Centriolar protein required for centriole subdistal appendage assembly and microtubule anchoring in interphase cells (PubMed:28422092). Together with CCDC120, cooperate with subdistal appendage components ODF2, NIN and CEP170 for hierarchical subdistal appendage assembly (PubMed:28422092).[UniProtKB/Swiss-Prot Function]

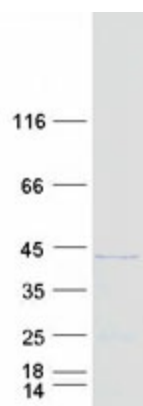
Product images:



Circular map for RC206244



Western blot validation of overexpression lysate (Cat# [LY428372]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227185] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC68 protein (Cat# [TP306244]). The protein was produced from HEK293T cells transfected with CCDC68 cDNA clone (Cat# RC206244) using MegaTran 2.0 (Cat# [TT210002]).