

Product datasheet for **MC219911**

Ccdc120 (NM_207202) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc120 (NM_207202) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc120
Synonyms:	AA030924; DXImx50e; Jm11; Sfc25
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219911 representing NM_207202
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGTCAAAGGTCAGCTGATCAGTTCTCTACCTTACAGGCCAGCTGCCCTGTTGGAGAGGCTG
 CCCACTGGTGAAGTCAGACCGTCTTCGAGGGCTGCTTGACCGCCAGCGAGCCTTGCAAGAGGCCCTGAG
 CGTAAAACCTCAAGAGCTCAGGAAAGTGTGTCTGCAGGAGGCGGAGCTAACTGGTCAGCTGCCCCCTGAG
 TGCCCACTGGAGCCTGGTGAACGACCTCAGTTGGTCCGCCGAGGCCCTGCAGCACGTGCCTACCCTC
 CACCACACCCAAACCAGCACACCCTCCTTGTGTCTGCTGAGGAACTGGCTCTTGAGGCCCTGGAGAG
 GGAGGTATCGGTGCAGCAGCAGATTGCAGCTGCTGCCCGCCCTGGCCCTGGCCCTGACCTCAACGGA
 GAACAGAGGCGCGCAGGCGCCAGGTACAGTTGATGCACTTCGAAGGCTGCACGAGCTGGAGGAGCAGC
 TCAGGGACTTCCGGGCCGTCTGGCTCCCGGTGCTCCAGCCACTGCCACTGTCTGCAGGAGCACTAGT
 CAATGCCAGGGTGTCTGCTGGGTACACGCCCTGCTCAGCTCAGCCAAGAGGATGTAGTTCTGCACTCG
 GAGAGCAGCTCCCTCTCAGAGTCAGGGCCAGCCATGATAACGAGGAGCCTCATAGCTGCTCCCTCTAA
 CCGAGCGCCCCCTACCACAAAAGCGTGGGACCAAGTTTCGGGCAGTATCTGGGGGAGCCCTGAGCGACG
 AGCCCCATGGAACCTCCACCATCAGATATTTATGGGGACCTGAAGAGCCGACGCAACTCTGTGGCCAGC
 CCCACCAGCCCCACAGCTCGCTGCCAGGAGTGCCTCCAGTTTTGAGGGCGAAGTGTGCCTGCTACCC
 CTGTCTCACCCGGGCGAGTGGCCCCGGCTCTGCAAACCGGAAGGCCCTCCATTCTCGCCAGTGGTCCGG
 TAGTCAGGACTCCAGATGGGCTTCTCGGCCGACCTGCTTCGGATCGGGCTCCCTCTTCGCAGCT
 CGTACCCGCGCGAGCAATAGCTCTGAGGCCCTGCTGGTGGACCGCAGCTGCTGGCGGAGCTGGATCTC
 CACTGCCCGCTGGCTCCCCCTGCTGCTGGTCCCCAGTTTGCAAGAGCAGTGAAGTGTATGAGCG
 CCGCAACCAGTCCCTTCTCTTCCCGTACCCTGGCCCCCAGACCCTCCTCGGGCTGCCAGGCCT
 AGCTCAGTGCCTGCATCCCGTGGCGCCCCCGGCTCCCAACTGTGTGTGGAGACTTCTCTTGGACT
 ATCCATTGGACCGAGGCTTGCCCCGCGGTAGTGGCGGGGAGGTTGGGGGAGCTGCTGCCTGCTCCTGA
 GGTCCCAGGACCCTTCCCGCAGAGATGGGCTCCTTGCCATGCTCCAGGCTCCTCCACCATATATGCA
 GCTGATGGCAGCAGCCCCCTCCTCCGAGCAAGGACCCCAACACCCGTCGCATCCGTTCCAAGCCCAGTG
 GCTTACCCCCAGAAGCTGTGGAGGGTCTGGAAGTCATCAAATCCATTACTCTGGATGCCCCACCCAC
 TCGGATACCTCCAGCTGGAGAGCGAGGTGGCCACAAGAACCTTGCTTGGAGGGGCTGCGGGACTGGTAC
 ATCCGGAACCTCGGACTGGCAGTTGGTCCCAGCGCAGGCCAATGCTCCCGCACGTGGGGCAACACACA
 CCCCTTCTCCATGCCGCTGCTATGAGGTGGGCCAGTCACTCTATGGCCCTCCAGCCAGGCACCGCT
 CCGCACTCCAGGAGTTTACAGCGCCCCCTGTCTCTGGCAGGTATGGGGGTGCTTTTACTGATGGG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_207202
- Insert Size:** 1890 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_207202.2](#), [NP_997085.2](#)

RefSeq Size: 3641 bp

RefSeq ORF: 1890 bp

Locus ID: 54648

UniProt ID: [A2AEV7](#)

Cytogenetics: X 3.48 cM

Gene Summary: Centriolar protein required for centriole subdistal appendage assembly and microtubule anchoring in interphase cells (PubMed:28422092). Together with CCDC68, cooperate with subdistal appendage components ODF2, NIN and CEP170 for hierarchical subdistal appendage assembly (PubMed:28422092). Recruits NIN and CEP170 to centrosomes (PubMed:28422092). Also required for neurite growth (By similarity). Localizes CYTH2 to vesicles to allow its transport along neurites, and subsequent ARF6 activation and neurite growth (By similarity).[UniProtKB/Swiss-Prot Function]