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Product datasheet for MC223030

Ccdc40 (BC085159) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc40 (BC085159) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc40
Synonyms:	B930008I02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>BC085159
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGATGCTGAGAAAGTCAGCACGGATGGGGAAGCCATCTCTGAAGGAGAAGTGGGGTCCAATGGAG
AGACTCCCCCAGAAACAGAAGTGGAATTCATTGGAGAGACCGCTCCAGACACAGATGTGGAATTCATTGG
AGAGACCTCCCCAGGAACAGACGTGGAACCCACTGGAGAGAGCATACAGGAAACAGAAGTTGAATCCATC
GGAGAGGCTACCCCAGGAATGGACGTGGAACCCATTAAAAAGACCATGACAAAACTCAACGTTGAATCCA
TCGGAGAAGAAACCTCAGAAACAGACGTGGACTCCATTAGGAAGGCCCTCCGAGGAATAGACTTGGAATC
TATCACAGTTGCCTATCCGCCAAAAAAGGCTAAACACAGAAAGGTCAGACCCCAAGCGGAAGTTGAATCC
ACTGGAAGAGCTGCCCCAGAAGGAGAATTAGAAGTTTCTGACCACGAGAAAGTAGAAGCCCTTCTCGATG
AGTTGGATGAGCTCTCTGAGATAGTCAGCTCTCCCGAGGTCTCCTACTCTGACATCAGTCCCTTGGAGAT
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GAACCCATAGAGCCCACAGAGCCCCCAGAGCCTGCAGAGCCCCCAAAGCCTGCAGAGACCCCAGAGGACA
GCACGGTGAGAGCCCCAGCGCATCCCTATCAAAGAGACTTCCCAATGGGGGCACGACACCGATTCAGACT
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CAAGAGTCAGTGCAGTCAACTCCCAGAGCCCTTGAAGAAACCCGGATACAGTTCCTAGACCAGGTCCAGA
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CATGAAGCAGGTGGTGAGGAAGACCGAGACGGAGAAGATGCACGCCGAGGTGGAGAAGAAAAAGCAGGAC
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CTGTTTGTGGACCAGCTCACCGAAAGGTCACACCAGCTAGAAGAAAACATCGCCCTGTTTGAGGCTCAAT
ACTTGTCCCAGGCTGAGGACACCCGGGTCCTCAAGAAAGCAGTGACTGAGGCCATCACAGAGATTGACAC
CATTGCCGTGGAGAAGAAGCGAATCCTACAGCAGTGGACCACCAGCCTAGTGGGCATGAAGCACCGTAAC
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CGCAGAGACAGAAGCCACACTGGTGCAGAAAATGACCGCCCAGTGCTTAAGCAAGCAAGAGGCTCTGCAG
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ACTCGGCAGTCTTGAGCGAGCTCCAGGCCACACGCCAGGCTTTCCACCAGGAACAGGAGCTACGGCAAAA
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GGCTGAAGGGCAGAGCAAGATAGACAAGAAAGTAATCACCAAGACAGAGTTCCACTACCAGCAGCGCGAG
CTGCAGAAGAAAGTCAGGGAGATGCACAAGGCCACAGATGACTGCACCAACACCATCTCAGAACTGGAAG
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AGATGTTCTTGAAGAGGAGATCAACCAGCTAACAGCTCTCAAACGGCAGAACCTTCTGGAGATCGTGACC
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GGTCCCAGCTGATGGAGCGTAAGCGCCTGAGCGTCCGGCTGTCCCAGCTCAACAAGGTCCTCTCCAGCGT
GCAGGAAGACTACCCCCAGTACCAGGAGGTGCTGCAGAGCATTCAACAGAAGATCGCCACCAAGCTGGAG
ACCCCAGAGCCCTCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC085159

Insert Size: 3378 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).

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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:	BC085159, AAH85159
RefSeq Size:	4591 bp
RefSeq ORF:	3377 bp
Locus ID:	207607
Cytogenetics:	11 E2
Gene Summary:	Required for assembly of dynein regulatory complex (DRC) and inner dynein arm (IDA) complexes, which are responsible for ciliary beat regulation, thereby playing a central role in motility in cilia and flagella. Probably acts together with CCDC39 to form a molecular ruler that determines the 96 nanometer (nm) repeat length and arrangements of components in cilia and flagella. Not required for outer dynein arm complexes assembly. Required for axonemal recruitment of CCDC39.[UniProtKB/Swiss-Prot Function]

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