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Product datasheet for SC102324

CCDC40 (AK056583) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CCDC40
Synonyms:	CILD15; FAP172
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for AK056583, the custom clone sequence may differ by one or more nucleotides

GACGGAAGCCACACTGCTGCAGAAGCTCACCACCCAGTGCCTGACCAAGCAGGTGGCCCTGCAGAGCCAG
TTCAATACCTACAGGCTCACCCTGCAGGACACAGAGGATGCCCTCAGCCAGGACCAGCTGGTGAGGCCGG
GCCCGCCCCACAGGTCACACCTGGCGCACGGTGGTGCCTCTTCAGGCACGTGCACCCTGTGGCTCCTTGT
CTCCAGGAACAAATGATACTCACGGAGGAGTTGCAGGCCATCCGCCAAGCCATCCAGGGCGAGCTGGAGC
TCAGGAGGAAGACGGATGCGGCCATCCGGGAGAAGCTGCAGGAGCACATGACCTCCAACAAGACCACCAA
ATACTTCAACCAGCTCATCCTGAGGCTGCAGAAGGAGAAGACCAACATGATGACACATCTTTCCAAAATC
AACGGTGACATTGCCCAGACCACCCTGGACATCACACACCAGCAGCAGGCTGGACGCACACCAGAAGA
CCCTGGTGGAGCTGGACCAGGACGTGAAGAAAGTCAACGAGCTCATCACCAACAGCCAGAGCGAGATCTC
CCGGCGCACGATCCTGATCGAGAGGAAGCAAGGGCTCATCAACTTCCTCAACAAGCAGCTGGAGCGGATG
GTCTCCGAGCTGGGGGGGGAAGAAGTGGGGCCCCTGGAGCTTGAAATCAAAAGGCTGAGCAAGCTGATCG
ACGAGCACGATGGCAAGGCGGTCCAGGCCCAGGTGACCTGGCTGCGCCTGCAGCAGGAGATGGTCAAGGT
GACACAGGAGCAGGAGGAGCAGCTGGCCTCCCTGGACGCATCCAAGAAGGAGCTCCACATCATGGAGCAG
AAGAAACTACGAGTAGAAAGCAAGATTGAGCAGGAGAAGAAGGAGCAGAAGGAGATCGAGCACCACATGA
AGGACCTGGACAACGACCTGAAGAAGCTCAACATGTTGATGAATAAAAACCGGTGCAGCTCGGAGGAGCT
GGAGCAGAACAACCGGGTGACAGAGAATGAGTTCGTGCGCTCGCTGAAGGCCTCTGAGAGGGAGACCATC
AAGATGCAGGACAAGCTGAACCAGCTCAGCGAGGAGAAGGCGACCCTCCTGAATCAACTGGTGGAAGCAG
AACACCAGATTATGCTTTGGGAGAAAAAAATCCAACTGGCAAAAGAGATGCGTTCCTCAGTGGATTCCGA
GATCGGCCAGACGGAGATCCGGGCCATGAAGGGCGAGATCCACAGGATGAAGGTCAGGCTCGGGCAGCTG
CTGAAGCAGCAGGAGAAGATGATCCGTGCCATGGAGTTGGCGGTTGCCCGCAGAGAGACCGTCACCACCC
AGGCCGAGGGGCAGCGCAAGATGGACAGGAAGGCGCTCACCCGCACCGACTTCCACCACAAGCAGCTTGA
GCTGCGCCGGAAAATCAGGGACGTTCGCAAGGCCACCGACGAGTGCACCAAAACCGTCCTGGAACTGGAA
GAAACACAAAGAAATGTGAGCAGCTCCCTCCTAGAGAAGCAGGAAAAGCTGTCGGTGATTCAGGCAGACT
TCGACACACTCGAGGCCGACCTCACCCGGCTTGGGGCCCTCAAACGACAGAACCTTTCAGAGATCGTGGC
CCTGCAGACACGCCTTAAGCACCTGCAGGCTGTGAAGGAGGGGCGCTACGTGTTCCTGTTCCGCTCCAAG
CAGTCCCTAGTGCTGGAGCGCCAGCGCCTGGACAAGCGACTGGCTCTCATCGCCACCATCCTGGACCGCG
TGCGGGACGAGTACCCCCAGTTCCAGGAGGCCCTGCACAAGGTCAGCCAGATGATCGCCAACAAGCTCGA
GTCACCAGGGCCCTCCTAGGGAGCAGCCTGGACTCCGCCTTGCAAGGCCTCCAGGAAGAGATCCGGAATT
GTGTTTGTCATGAGGGACTTGGAATCTTTTGTGTTCCTAAAAACCACATGTACCCTCAGAAGGGCATCGT
TTAAGAGAAATAAGCCAGCCCCACCCATAGGAATCTTTTTAGCCACTCAGCAATTTAATAAACCAGGTAA
AATCCTAGCGTTTCCCATGGCATCCCAAATCTGCACGTGCCTCTCACAACACAACGCTGCCACAGGTCCA
CAAGCTGGTGGGCTGAGCAGAGGTGGGAAAGTTAAGGCAGCTCCAGCCAGCCTGGCCCGGGAGGCTGGTC
CCCCCAGCACTTCCCTCTACTAGGTGCATCTGAAAACCCACAAACCACCTTCTTTACCAGTTTTCCCATC
CACACCCCTTAGAACTCTCAGGTCCCTTTTCCTGCCCCCATGTCCCCATTTGAGTTAAATTCAGATCCAC
AGCTTGCAGGAGAAAGTCAGTGGCCCCAGACACACGTAACAGGGTGAGCACTGAAATAAGAGCACGCTGG
GGCGTCCACACCAAGGGACTACGCCCCAGTCTGCCCACCTATCTTCTCTCCATCATTAACCCAGCGCTCT
TTCTCCCTGGACTTCCAAGTACCAATGACCTTGGGGCTTCTTTGCAGTTTAAAGGGAAAATGCTCTACAA
AATAATTTCACTTTCAAACATTTCAGCAGAAGAATAAAATCTTTTTTCTGAATATCT

5' Read Nucleotide Sequence:

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>OriGene 5' read for AK056583 unedited
ACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCTGAACCGGACAGAGACGGAA
GCCACACTGCTGCAGAAGCTCACCACCCAGTGCCTGACCAAGCAGGTGGCCCTGCAGAGC
CAGTTCAATACCTACAGGCTCACCCTGCAGGACACAGAGGATGCCCTCAGCCAGGACCAG
CTGGTGAGGCCGGGCCCGCCCCACAGGTCACACCTGGCGCACGGTGGTGCCTCTTCAGGC
ACGTGCACCCTGTGGCTCCTTGTCTCCAGGAACAAATGATACTCACGGAGGAGTTGCAGG
CCATCCGCCAAGCCATCCAGGGCGAGCTGGAGCTCAGGAGGAAGACGGATGCGGCCATCC
GGGAGAAGCTGCAGGAGCACATGACCTCCAACAAGACCACCAAATACTTCAACCAGCTCA
TCCTGAGGCTGCAGAAGGAGAAGACCAACATGATGACACATCTTTCCAAAATCAACGGTG
ACATTGCCCAGACCACCCTGGACATCACACACACCAGCAGCAGGCTGGACGCACACCAGA
AGACCCTGGTGGAGCTGGACCAGGACGTGAAGAAAGTCAACGAGCTCATCACCAACAGCC
AGAGCGAGATCTCCCGGCGCACGATCCTGATCGAGAGGAAGCANGGGCTCATCAACTTCC
TCAACAAGCAGCTGGAGCGGATGGTCTCCNAGCTGGGGGGGAAGAAAGTGGGGCCCNCTG
NAGCTTGAATCAAAGGCTGAGCAGCTGATCGACAGCAGATGGAAAGGCGTCCAGGCCCAN
ATGACCTGCTGCGCTGCACAGGAGATGGTCAAGTGACACAGAGCAGAGGACANCTGGCTC
CTGGACCATCAGAAGAGCTCACTCTGGAGCNANAACTACANTAANGCAGATGGCNGAGAG
AGGACNNAGGAACGGCCCCTGAAGACTGACACGCTGAGACTACTGTGAGATAAACGGCGT
T
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Restriction Sites: NotI-NotI

ACCN: AK056583

Insert Size: 2800 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: AK056583.1

RefSeq Size: 2577 bp

RefSeq ORF: 2577 bp

Locus ID:	55036
Cytogenetics:	17q25.3
Gene Summary:	This gene encodes a protein that is necessary for motile cilia function. It functions in correct left-right axis formation by regulating the assembly of the inner dynein arm and the dynein regulatory complexes, which control ciliary beat. Mutations in this gene cause ciliary dyskinesia type 15, a disorder due to defects in cilia motility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]