

Product datasheet for **SC111402**

CCDC21 (CEP85) (NM_022778) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC21 (CEP85) (NM_022778) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC21
Synonyms:	CCDC21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111402 sequence for NM_022778 edited (data generated by NextGen Sequencing)

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ATGGCCATGCAGGAGAAATATCCAACCTGAGGGGATCTCTCACGTCACTTCACCGAGTTCC
GATGTGATTAGAAAGGCGAGTTCCCTGGGGACTGAATGGCAGACCCAGTTATCTCGGAG
CCCTTTTCGGAGCCGCTTCAGCCGCTGTTCAAGTGTAGCCGACAGTGGGGACACAGCCATT
GGTACATCATGCTCAGATATTGCGGAGGATTTTGCAGCTCAAGTGGCAGTCTCCTTTTC
CAGCCCATCAAAAGCCACGTAACCATTTCAACAGCCCATGTGATGCCTTCTACTTTAGGG
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TCAGGGTTGGCTGAAAGTGTGGGAATGACAAGAAATGGAGACCTCGGTGCAATGAAACAT
TCTCCAGGCCTATCTAGAGATCTCATGTATTTCTCTGGTCTACTGGAGAAAATGGAATT
GAGCAGTCTGGTTTCCAGCAGTGGGCCATGAAAGACAAGAAGAGGCGAGGAAGTTTGAT
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CATTCTAATAGCAGTGGGGTCTCCCTTTGGGACTCCAGCCTGCTCCCGGCTCTCCAAG
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GAGGACTTAAGGACCACCATGTCAGACAGATATGCCAGGACATGGGAGAAAACGTGTGC
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Clone variation with respect to NM_022778.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022778 unedited
 TCACGATTTGCATACGACTCATATAGGGCGGCCGGAATTCGCACGACTGGAGGAGGGAA
 CCACCGCTCACCAGACGCTGGTGGCTGCAGTCACTCTTCCCGAGTGAGGGATTCGCCG
 CCCGCTTTCAGGCGCTTTGGCTTAAATAACTGTGATTGATGGCCATGCAGGAGAAATAT
 CCAACTGAGGGGATCTCTACGTCACTTACCAGGTTCCGATGTGATTGAGAAGGGCAGT
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 GCGGAGGATTTTTCAGCTCAAGTGGCAGTCCTCTTTCAGGCCATCAAAGCCACGTA
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 GTGGGCCATGAAAGACAAGAAGAGGCGAGGAAGTTTGATTTCTAGCATGGAATCTACC
 CTCAATCAGTCCGCAATGATGGAGACACTCTATTAGATCCTCACCACCGAGTCCGCTTT
 CACCACCAAGCAGCCAGCAAGTNAAGAGTTGTACAGAGTGTGCTTTCAGCCAAAAAG
 CACTCGGCAGCGGGCAGCGTTTGAGCGGAATGAACCAATTCTTATAGCAGCGGGTCTCT
 TCCTTTGGAGACTACAGACTGCTCCCGGCTTTTCAAGCTCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022778 unedited
 CGCGGCCGCATTCTANATCGAGTTTTTTTTTTTTTTTTTTTGTAGTCTGTTAAGATACTTTA
 TTTTATAATCAAATACGAATACAAACAAATGGACATAACAAAGATTTCATATAAATAAC
 TGGTTATAAACTTTATGAGGAAAAATACCCGTCAGCATGGTGGCTGGGCTCCCAATGCAC
 AGGGTGGAGACCAACCAGGCGGCTCTGCCTTTAAGCAGCAGGAGCCAGAGGCTGAAGGG
 CTGGCTGGGTGGGCTGCTCTGAATGGAAGGGATAAGTCACTCCATAAATAAAACACAAA
 CTTGTAACAACTTAAGAAAGAGCCTCATTGAGGCCAGGCATGAGGTCCAAGATGCTG
 CCAACAGCCCAAGCTTAGCAAAAATCTGTAGTGGCTGACTGGCCACACGTGGCCCT
 GCCTGGCTGGCTCCAGATCTAGAGGAGGCAGGCTGGCCCAACAACAGATACTAACA
 GTGTGAGATGCTCCCTAAACCAGGAGGCAAGAAAAACAGAGGGCAAAGTCCCTCACTA
 AAGCCCCAGAGAAACAACCCAGGAACTAAAGCTGTACTTTAAAGCTGACTTGTACT
 GGGTACTCTGAACTTTCAAGGACGCCAGAGCAGGAAAGGAAAGGAATACCCCCACCAC
 CCCCACACAGGAGAGGCACAAATTANAGGGCTGGGCACAGGCTGTACCCCTGTGCGAAG
 GGGTAAGCCACTTGCCAGTGTCTGTGGTCTCTGGAATTAATTCTGCCCAAGTTAAACCA
 CCAAGAAATGTTGCCTTTTAAATCCAGAAAGGACTTCTGGAAGGCTCCCAAGGATA
 AAGTTTCTACCTAACCATGGGCCGCCCTTGGACACATGGCCCTGGAACGGGATCCCTT
 GCTCATGCCTTGACCGCAATATTATACCTGTCTTATCCCTTGGCCCATCCTTTAGTCCGC
 CCACTACCTTTACCTGGGCTTGGGTTACCACCCCTGTCCACCCCCCTTCCATCC

Restriction Sites:

NotI-NotI

ACCN:

NM_022778

Insert Size:

4230 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:	<u>NM_022778.2, NP_073615.2</u>
RefSeq Size:	3961 bp
RefSeq ORF:	2289 bp
Locus ID:	64793
UniProt ID:	<u>Q6P2H3</u>
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein that belongs to the centrosome-associated family of proteins. The centrosome is a subcellular organelle in the animal cell that functions as a microtubule organizing center and is involved in cell-cycle progression. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).