

Product datasheet for **SC337275**

CCDC21 (CEP85) (NM_001281517) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC21 (CEP85) (NM_001281517) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC21
Synonyms:	CCDC21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001281517, the custom clone sequence may differ by one or more nucleotides

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ATGGCCATGCAGGAGAAATATCCAACAGAGGGGATCTCTACGTCACCTTACCGAATTTTGCAGCTCAA
GTGGCAGTCTCCTTTCCAGCCCATCAAAGCCACGTAACCATCCAACAGCCCATGTGATGCCTTCTAC
TTTAGGGACCTCTCCTGCCAAGCCAAATTCTACACCTGTTGGACCTCTTCTCTAACTCCCTTTGTCA
GGGTTGGCTGAAAGTGTGGGAATGACAAGAAATGGAGACCTCGGTGCAATGAAACATTCTCCAGGCCTAT
CTAGAGATCTCATGTATTCTCTGGTGCTACTGGAGAAAATGGAATTGAGCAGTCTGGTTTCCAGCAGT
GGGCCATGAAAGACAAGAAGAGGCGAGGAAGTTTGATATTCTAGCATGGAATCTACCCTCAATCAGTCG
GCAATGATGGAGACACTTTATTAGATCCTCACCACCGAGTCCGCTTCCACAACCAAGAACCAGCACAA
GTAAGGAGTTGTACAGAGTGTTCCTGAGGCCAAGAAGGCACCGGCAGCGGGCAGTGTGAGCGGAA
TGGACCACATTCTAATAGCAGTGGGGTCTCCCTTTGGGACTCCAGCCTGCTCCCGGGCTCTCAAGCCT
CTGCCCTCTCAGGTGTGCAGCCGAGTCTGACACTTGGCATCCCCGAGAGCAATCTTGGAAGTACGCA
CTTGTCGCGCAGCAGCTGGAATTGATTGTTTACAGATGGAGCAAATGCAGCTTCAGAATGGAGCCATCTG
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AGTAATGAACACCTTCTGAAGGAAAAAGAGCTTCTCATTGACAAGCAGAGGAAACACATCTCTCAGCTGG
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TGTCTGCTTGCTGAGGCTACAGGAATTGCAGCGAGAAAACACTTCTTACGTGCAGAGTTGCACAGAAG
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CAAAGTCTGATAAACATATCAATAATTTGAAAAGAAATGCCAGAAGGAATCAGAGCAGAACCGGGAG
AAGCAGCAGCGTATTGAGACCTTGAGCGCTACCTGGCTGACCTGCCACACTGGAAGACCATCAGAAGC
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CAGAAGTGGAATGGAGTCTGGCAGAAGCGATACGATTGCTCCAAAGATTGTGGAGAAGCAGCAGCA
GAAGATGGATCAGTTGCGCTCACAAGTACAGAGCCTAGAGCAGGAAGTGGCTCAAGAAGAAGGAACAAGC
CAGGCCCTGAGAGAGGAGGCCAGCGAAGGGATTAGCCCTGCAGCAGCTGCGCAGACCCGTGAAGGAGC
TTTCAGTGCAAAACCAGGACTTGATTGAGAAGAATCTGACACTCCAGGAACACCTGCGCCAGGCCCAACC
AGGGTCTCCACCTTACCAGACACGGCCAGCTGGCACTTGAGCTGCACCAGGAGTTGGCCAGTTGCCTT
CAAGATCTGCAGGCTGTCTGTAGCATTGTGACCCAGAGGGCCAGGGCCATGACCCAATCTCTCCCTGC
TCCTGGGCATTCACTCAGCACAGCACCCAGAGACTCAGCTAGATTGCAGAAGCCAGATGTGATCAAGAG
GAAACTAGAAGAGGTTCAACAGCTGCGTCGTGACATTAGGACTTAAGGACCACCATGTCAGACAGATAT
GCCCAGGACATGGGAGAAAACCTGTGTCACACAGTGA
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001281517

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_001281517.2, NP_001268446.1</u>
RefSeq Size:	3850 bp
RefSeq ORF:	2136 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 (2) lacks an in-frame exon in the coding region compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1.