

Product datasheet for **SC318387**

CCDC57 (NM_198082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CCDC57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318387 representing NM_198082.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCCACTGGGCTCAGAGCCCGCCTGAATGAGCTGCTGCTTCGCAAGGAGGAGGAGTGGAGGGCG
CTGCAGGCACACCGCACCCAGCTGCAGGAGGCGCTCTGCAGGACACCGAGCCAGCTGGAGGAGGCG
CAGGGGAAACTGCGGTGCCTGCAGGAGGACTTTGTCTACAACCTTCAGGTGCTGGAGGAGCGGGACCTC
GAGCTGGAGCGCTATGACGCCGCCCTTCGCCCAGGCCAGGGAGTGGGAAGAGGCCAGGCGGGCAGAGGTG
AGCGAGCTCAAGATAGAGGCAGCTAAGCTGAGGCAGGCGCTAGCCAGAGAGGCCAGGAAGGTGGAGGAG
CTGCAGCAGCAGCAGCAGCTGGCATTCCAGGAGCATCGCCTGGAGCTGGAGCGCTCCACAGTGACAAG
AATGGTGGAGATTGACCACCACCGGGAACAGTATGAAAATCTAAAATGGACACTGGAGAGAAAACTTGAG
GAGCTCGACGGTGAGCTTGCTCTGCAGAGACAGGAAGTCTGCTGGAGTTTGAATCGAAAATGCGGAAG
AGGGAGCACGAATTCCTGCTGCAGGCTGACAACATGAGCAACACAGCCTTGTCGGGAGCTTAAGGTT
AAACTACTGCACAAAGAGCTGGAGGCTCTGAAGGAAGCCGGGGCAAAGGCTGCAGAGAGTCTGCAGAGG
GCAGAGGCCACCAACGCCGAGCTGGAGAGGAAGTCCAGAGCCGAGCCGGGAGCTCCAGGACCTGGAG
GCCATGAGCCGCGCCCGGTAAAGGATTTAGAGGATAAACTTCACTCTGTGCAGCTAACCAAGGAAGAAG
GAAGAGGAACATTTAAGAGGAAGCATGAGGAGCTCGACCGTCTGGCCAGGGAGAAGGATGCAGTGCTG
GTGGCGGTGAAGGAGGCCACGTGGAGCAGCTGCAGGAGCTGCAGACAGGTTCTGGAGCTGCAGGCC
CACTGCGAGAGCCCTCGAGGCGCAGCTCCGCAAGGCAGAGTGGAGACAGGCTGACACCGCCAAGGAGAAG
GACGCTGCCATTGACCAACTTCGTGAAGATGCATCAACTGTAATCTGCCTGGGATGCTCAAAATTGCT
CAACTATCTAAGGAGATGGTCTCCAGAGACCTTCAGATTGAGAGCTGCAGGAAGAAGAGGTGAAGCTC
AAGGCACAGGTGGCCGATCCAGCAGGACATTGAAAGGTACAAGCAACAGCTGTCCCTGGCAGTGGAA
AGGGAGCGGAGCCTGGAGCGTGATCAGGTGCAGCTGGGCTGGACTGGCAGCGCCGCTGTGATGACATT
GAAAGGGACAGATCCAAAAGTCAGAGGCCCTGATTAGGGTCTGAGCATGGCAAAAAGTCAGGTTGCT
GCCAAGCTGCAGGAGACAGAGCAGGCGCTACAGGAGCAGGAGGTGGTGTGAAGGCCGTGACCTGGAA
CGAGACCAGGCCGTGCAGGCCCTGAGGATGCATGGCTCCCGAGACCAGGGGCACAGATGCTTCTCAGG
CAGCATGAAGAAGAAATAAGTAAAGACTTTCCATCCAGTGAGATCCAGCGGCTCCGAGAGCAGAACACG
AGCTTGCGAAACGCGATTGCCAGATGAGGAAAGAAATGGAGGCTCTAAGCCATCAGATTCTCTCTCCC
ATCCAGACAGCGGCAGAGAGCAGATGCAAAACAGCCTGACCCAGAGGCTGGGGAGATGCCGCCACT
CCTGATTATGTTCTGGCCCTTGAAGCAGAAATACGAACTCTAAAGCATAAGTTTAAACTCTGGAAAAG
CATCTAGAAGATGTGTTGGATCCTTTAAAGATGTCTCACCTCATGCTGAGTCTCAGCCAGCGTCCGC
ACCTCGACAGAGACGACTGGAGGGTCTGCCAAGCTGGTCAAGCCGAGGGTCTGTCCAAGCTGGTCAA
GCAGGAGGATCTGTCCAAGCTGGCCAGTATCCTCTGGACTGGCACTCAGGAAGCTCGGGGACAGAGTG
CAGCTCCTAAACCTGCTGGTGACACGACTCAGACAGAAGGTGCTGCGGGAACCCCTGGAGCCGCGCT
CTCCAGCGTGAGCTTCCCGTGAGGTGGACAGGTACACCTGGAGGTTTTGGAGCTGCGGAAGCAGGTG
GCTGAGCTGGGGAAGCATCTCAGGATAGCCAGCACGCGGGAGCGGAGCCTTCAGGCAGGAAGCAGCCC
CCAGCCTCGGACGCGCTGGCCCTTGGGAGAGAGGACGCCAAGAGTGCCGAGGATGAGGCTCCTTCCAGA
CACTTGGGAAAGCACCGCCCGCTCAGCACAGGTGGGAGCAGACTTGACGCCCTGCAAGGCCCGAAG
ACACAAACACAGCATCCACACGGTGACCTGTAATCACCTCGGCAGAAAGAAGACAGGTCCCCAAAGCCA
CCCCAGGCTCCCCAGCACCCCTGAGGAGCATGGTCGCCAATCCACAGCTCCTCTCTTGGCAGTGGC
ACCTCCAGGACATGTGGAGGTTGTAGACCTGGGATCCAGCCCTTCTGGTGTACCTCCCAGGGTGAC
TCAACTCCAGAGCTCCAGCTCCTCCAGCAGCCGACAGGAGGCCGTCAGATGCAGGCAGGCATTGCC
ACCCAGGGATGAAGACAGCAGCCAGGCCAAGGCCAAGACCACAGGAGCCTCCCGTCTCATCTGCA
AAAGCTAAAGGCTGCCAGAGGCCCCCAAGATCCGTAACATAACATTATGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_198082

Insert Size:

2748 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_198082.2</u>
RefSeq Size:	2997 bp
RefSeq ORF:	2748 bp
Locus ID:	284001
UniProt ID:	<u>Q2TAC2</u>
Cytogenetics:	17q25.3
MW:	103 kDa
Gene Summary:	Pleiotropic regulator of centriole duplication, mitosis, and ciliogenesis. Critical interface between centrosome and microtubule-mediated cellular processes. Centriole duplication protein required for recruitment of CEP63, CEP152, and PLK4 to the centrosome. Independent of its centrosomal targeting, localizes to and interacts with microtubules and regulates microtubule nucleation, stability, and mitotic progression.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).