

Product datasheet for **SC304187**

CEP164 (NM_014956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP164 (NM_014956) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP164
Synonyms:	NPHP15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304187 representing NM_014956. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCTGGACGACCCCTCCGCATAGGAGATCAGCTGGTTCTGGAAGAAGATTATGATGAGACCTACATT
 CCTAGTGAGCAAGAAATCTTGAATTTGCCGGGAGATTGGTATTGATCCCATCAAGGAACCAAGAACTG
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 CGGAGCTTGGTGATCCAAGAGCGGGCAAAGCTGTCAACTTCTGGGGCCATTAAGAAGAAGAAAAAAAAA
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 CGTGGATCTCAAAGCGTGAGCCTGGGGAGCTCAGTGGAGTCTGGACGTCAGCTTGGAGAACTCATGCTG
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 GCTCTCAGCCTCTTGGGTTTAGGAGAAGAAACCAATGAGGAGGATGAGGAGGAAAGTGACAACCAAGAGT
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 TATGAGGAGTCTCTGAGAACAAGCCAGCCAGAGGAGAAGAAGGATGTTTCTCTGGATTGAGATGCTGCC
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 AAGAAGAAGGCTTCTGCTCTGGAAGAGGCGAGTTCAGACGCCAGCCAAGAAGTGGAAATAGTGAACAC
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 TTTTCGAGCCGGATCTCGGAGCACCTGCTGGATGTTGATGTGCTTTCCCAAGTCTGGGTGGAGCTTGT
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 AGCAAGCAGTCCAAAGGCTGGAGGAGAGGTTATCTCTCCACTTCCACACGAGGAGCGGGCCAGAGT
 CCCCTCGCAGCCTGGCCACTGAAGAAGAGCCTCCCCAGGGCCCCGAGGGGCAGCCGAGTGAAGGAG


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GCAGAGGAGCTTGGGGAGGACTCTGCAGCCAGCCTCAGCCTGCAGCTGTCCCTCCAGAGGGAGCAGGCC
 CCAAGCCCACCTGCTGCCTGTGAGAAGGCAAGGAGCAGCATTCCAGGCCGAGGAGCTGGGCCCTGGG
 CAGGAAGAGGCAGAGGATCCTGAGGAGAAGGTGGCGGTGAGCCCCACCCGCCAGTCTCTCCAGAGGTG
 CGATCCACAGAGCCTGTGGCTCCCCAGAGCAGCTCTCAGAGGCTGCACTAAAGGCCATGGAAGAGGCA
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 CCAGATCTCCATATTGAGGACCTGAGGAAATCCCTTGGAACAAACAGACCAAAGAGGTGTCTTCTCT
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 TCGCCGCGCCGCTCCTCGCCTCCATGCCAGCCAGCTCCCTCCCCGGGACCCCTAAGAGCACCCACC
 CCCACCTACTATGGCTCCCTGGCCAGGTTCTCAGCCTTATCATCTGCTACACCCACGTCCACCCAATGG
 GCCTGGGATTCAGGGCAGGGGCCAGGCTCCCCCTCTGTGGCTCAAACGGTGGACGACTTCTCTGTTG
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 AGGCTGGGTTACATGTCTGCCAGTGAGCAGCTCCGGCTCTACAGCACTCCCATTCGCAAGTCCCTGAG
 GCGGGCAGCACCACTTTACGGGCATAATTGAGGCCAACCGGAGGTGGCTGGAACGTGTCAAGAATGAC
 CCCAGGTTACCTCTCTTCTCGTCAACACCAAGCCAAAAGCTACTTTGAGCCTCTGCAGCTGGGCCTT
 GATGAGCACAAACAGAGTGAAGGTGTATCGCTTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI
 ACCN: NM_014956
 Insert Size: 4383 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.
RefSeq:	<u>NM_014956.4</u>
RefSeq Size:	5634 bp
RefSeq ORF:	4383 bp
Locus ID:	22897
UniProt ID:	<u>Q9UPV0</u>
Cytogenetics:	11q23.3
MW:	164.3 kDa
Gene Summary:	This gene encodes a centrosomal protein involved in microtubule organization, DNA damage response, and chromosome segregation. The encoded protein is required for assembly of primary cilia and localizes to mature centrioles. Defects in this gene are a cause of nephronophthisis-related ciliopathies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).