

Product datasheet for **SC321582**

CEP68 (NM_015147) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP68 (NM_015147) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP68
Synonyms:	KIAA0582
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015147.1
 TCGGGGCCAGCGCATGGGGCTGCTGAGACCGCTCCGGACGTGCGAAGCGTTCGGGGTGG
 GTAGGAAGCTGAAGTCTTCAGCAGAACCCTGACCTAGGTAGGGAGTCTCAATGGCCCTGG
 GTGAAGAAAAGGCAGAAGCGGAAGCATCTGAAGACACAAAGGCCAGTCTATGGGAGAG
 GGAGCTGCAGGGAGCGGGAGCTGGACATCCCAGGGCCATGAGTGGGGAGCAGCCCCAC
 GCCTGGAAGCTGAGGGAGGGCTCATCTCCCTGTATGGGGGCAGAAGGGATACCTGCC
 CTACTTGTGGATTGGGACTGACCCTGGCAGCCCCTCTAGAGCCACCAGCCACAGGCCA
 GTGATGCCAACAGAGAGCCCGTAGCTGAGAGGTCTGAGCCTGCACTCAGTGGCCTGCCTC
 CTGCCACCATGGGGTCTGGAGACCTTCTGCTCTCCGGGAAAGCCAGGTGGAGAAGACCA
 AGCTTTCTTCTCCGAGGAGTTCCTCAGACTCTGAGCCTTCCAGAACAACAATATTT
 GCTCAGGACATGATGCTGATACCGAAGATGATCCATCCCTAGCAGATTTGCCCCAGGCAC
 TGGACCTCAGCCAGCAGCCTCACAGCTCAGGTCTCTTTGCTGTACAGTGGAAAGTCCG
 TGCTGAGCCCAGGTTCCGCAGCTCAGCCTTCCAGCTGCAGCATCTGCTTCTCCACGG
 GCAGCAGTCTCCAGGGTACCAGGAGAGGGCGGAGCCTCGTGGTGGTTCTCTGGCCAAGG
 TCTCTCTCCCTGGAGCCGGTCTCCCCAGGAACCTTCTCTGTGGTGGGGCTAGGAC
 CTGGGCCCCAGTGGTACCACAGCCTGTGTTCTCTGGGGGTGATGCTTCTGGGCTAGGCA
 GGAGACGCTCTCCTTCCAGGCTGAGTACTGGGCTGTGTGCTGCCAGATTCCCTGCCTC
 CATCACCCGACCGCCACTCCCCTCTCTGGAACCCAAATAAAGAGTATGAAGATCTGCTTG
 ACTATACTTACCCACTGAGGCCCGGGCCTCAGCTCCCAAAGCACCTTGATAGCCGTGTGC
 CAGCTGACCCTGTCTGCAGGACTCCGGGGTAGACCTGGATAGCTTCTCTGTCTCTCCAG
 CAAGCACCCCTCAAATCACCTACTAATGTCTCCCCAACTGCCACCAGCAGAGGCCACTG
 CCCTGCCATTTTCTGGGCCAGAGAGCCAAGCCTTAAGCAGTGGCCCTCCAGAGTACCCC
 AGAAACAGGGTGGCATGGGCTTGGCATCTTGGAGCCAACCTGCACTACCCCCAGAGCCC
 CAGGCAGTAGGGATGCTCGTTGGGAGCGCAGAGAGCCAGCCCTGAGGGGTGCGAAGGACC
 GGCTGACTATAGGCAAGCACCTTGATATGGGCTCTCCCCAGCTAAGGACACGGGACAGAG
 GGTGGCCCTCGCCAGGCCAGAGAGGGAGAAGAGGACCAGCCAGAGTGCCCGGCGCCCTA
 CCTGCACAGAGTCTAGGTGGAAATCAGAAGAGGAAGTGGAAAGTATGACGAGTATCTTG
 CCCTCCCCGCTCGGCTGACACAGACATTTTGTGTGAGCTGGAAGAGTCTGCTGCTGGC
 TGTATAATGTTGCAGATGTTACTGACCACGGGACTGCAGCCAGGTCCAATCTTACAAGTC
 TCAAGTCTTCTGACGCTTTACCGCAATTTAAGAAAGATATAGATGAACATCAGTCTC
 TGACGGAGAGTGTCTTACAGAAGGGGGAGATTCTTCTCAGTGCCTGTTGGAGAACCACCC
 CAGTTTTAGAGGATGTCTTGGGAGGATCGCAAAGCAGTCTGGTGGAGCTGGAGAGCCACG
 CAGATCGCTGTATGACTCTATCTTGGCCTCTCTGGACATGCTGGCTGGCTGCACCCCTTA
 TCCTTGACAAAAAGCCATGGCGGCAATGGAGCACCCATGTGAAGGGGTTAACCTGGCA
 TCTTCTCAGGCAGAGGTGCAACCTGTCCGCCAAACACTGGCTAGTGAGAAAAAACCTT
 CAAGAAGTCTTGAAGAGCCATTCAACACTGAAGTCAAGGGGAAACCTTCAATATACT
 AGCTTTAAATGCCTTTCTCCTCCCTGAATGGAGGGCTGAGTTACTATTTTTATTACAA
 TGAATCCTTCCAACTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015147

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:	<ol style="list-style-type: none">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_015147.1</u> , <u>NP_055962.1</u>
RefSeq Size:	2195 bp
RefSeq ORF:	1863 bp
Locus ID:	23177
UniProt ID:	<u>Q76N32</u>
Cytogenetics:	2p14
Gene Summary:	<p>Involved in maintenance of centrosome cohesion, probably as part of a linker structure which prevents centrosome splitting (PubMed:18042621). Required for localization of CDK5RAP2 to the centrosome during interphase (PubMed:24554434, PubMed:25503564).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>