

Product datasheet for **SC321526**

CEP55 (NM_018131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP55 (NM_018131) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP55
Synonyms:	C10orf3; CT111; MARCH; URCC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_018131.3
GGCCGACGCGAGCGCCGCGCTTCGCTTCAGCTGCTAGCTGGCCCAAGGGAGGCGACCGCG
GAGGGTGGCGAGGGGGCGCCAGGACCCGCGAGCCCCGGGGCCGGGCGGTCCGGACCGCCA
GGGAGGGCAGGTCACTGGGCAGATCGCGTCCGCGGGATTCAATCTCTGCCCGCTCTGATA
ACAGTCCTTTTCCCTGGCGCTCACTTCGTGCCTGGCACCCGGCTGGGCGCCTCAAGACCG
TTGTCTCTCGATCGCTTCTTTGGACTTGGCGACCATTTCAAGAGATGTCTCCAGAAGTA
CCAAAGATTTAATTAAGTAAGTGGGATCGAAGCCTAGTAACCCAAATCCGAAACTA
CATTAGAAAAATTAAAGGAGAAATTGCACACTTAAAGACATCAGTGGATGAAATCACAA
GTGGGAAAAGAAAAGCTGACTGATAAAGAGAGACAGACTTTTGGAGAAAATTCAGTCC
TTGAGGCTGAGAAGGAGAAGAATGCTTATCAACTCACAGAGAAGGACAAAGAAATACAGC
GACTGAGAGACCAACTGAAGGCCAGATATAGTACTACCGCATTGCTTGAACAGCTGGAAG
AGACAACGAGAGAAGGAGAAAGGAGGGAGCAGGTGTTGAAAGCCTTATCTGAAGAGAAAG
ACGTATTGAAACAACAGTTGTCTGCTGCAACCTCACGAATTGCTGAACTTGAAGCAAAA
CCAATACACTCCGTTTATCACAGACTGTGGCTCCAACTGCTTCAACTCATCAATAAATA
ATATTCATGAAATGGAATACAGCTGAAAGATGCTCTGGAGAAAAATCAGCAGTGGCTCG
TGTATGATCAGCAGCGGGAAGTCTATGTAAAAGACTTTTAGCAAAGATCTTTGAGTTGG
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AAGGTTATCTTCAAGAAGAGAAGCAGAAATGTTACAACGATCTCTTGGCAAGTGCAAAA
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AACTCAGGGAAGAGAATGATATTGCTAGGGGAAAACCTTGAAGAAGAGAAGAAGAGATCCG
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AAGCAAGAAATCAATAACACAGTTGGAATCCTTGAACAGCTTCATGAGTTTGCCATCA
CAGAGCCATTAGTCACTTCCAAGGAGAGACTGAAAACAGAGAAAAAGTTGCCGCTCAC
CAAAAAGTCCCCTGCTGCACTCAATGAAAGCCTGGTGAATGTCCCAAGTGCAATATAC
AGTATCCAGCCACTGAGCATCGCGATCTGCTTGTCCATGTGGAATACTGTTCAAAGTAGC
AAAATAAGTATTTGTTTTGATATTAAGATTCAATACTGATTTTCTGTTAGCTTGTGG
GCATTTTGAATTATATTTTACATTTTGCATAAAACTGCCTATCTACCTTTGACTCC
AGCATGCTAGTGAATCATGTATCTTTAGGCTGCTGTGCAATTTCTTGGCAGTGATACC
TCCTGACATGGTTCATCATCAGGCTGCAATGACAGAATGTGGTGAGCAGCGTCTACTGA
GACTACTAACATTTTGCCTGTCAAAATACTTGGTGAGGAAAAGATAGCTCAGGTTATTG
CTAATGGGTTAATGCACCAGCAAGCAAAATATTTTATGTTTTGGGGGTTTGA AAAATCAA
AGATAATTAACCAAGGATCTTAACTGTGTTGCGATTTTTTATCCAAGCACTTAGAAAAAC
TACAATCCTAATTTTGTGTCATTGTTAAGAGGTGGTATAGATACTATTTTTTTTTTTC
ATATTGTATAGCGTTATTAGAAAAGTTGGGATTTTCTTGATCTTTATTGCTGCTTACC
ATTGAAACTTAACCCAGCTGTGTTCCCAACTCTGTTCTGCGCAGGAAACAGTATCTGTT
TGAGGCATAATCTTAAAGTGCCACACACAATGTTTTCTTATGTTATCTGGCAGTAACT
GTAACCTGAATTACATTAGCACATTCTGCTTAGCTAAAATTGTTAAAATAAACTTTAATA
AACCCATGTAGCCCTCTCATTTGATTGACAGTATTTTAGTTATTTTTGGCATTCTTAAAG
CTGGGCAATGTAATGATCAGATCTTTGTTGTCTGAACAGGTATTTTTATACATGCTTTT
TGTAACCAAAAACCTTTTAAATTTCTCAGTTTTCTAACATGCTTACCCTGGGCTACT
GTAATGAGAAAAGAATAAAATTTAATGTTTTAAAAAAAAAAAAAAAAAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_018131

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	<p>NM_018131.3, NP_060601.2</p>
RefSeq Size:	<p>2635 bp</p>
RefSeq ORF:	<p>1395 bp</p>
Locus ID:	<p>55165</p>
UniProt ID:	<p>Q53EZ4</p>
Cytogenetics:	<p>10q23.33</p>
Protein Families:	<p>Druggable Genome</p>
Gene Summary:	<p>Plays a role in mitotic exit and cytokinesis (PubMed:16198290, PubMed:17853893). Recruits PDCD6IP and TSG101 to midbody during cytokinesis. Required for successful completion of cytokinesis (PubMed:17853893). Not required for microtubule nucleation (PubMed:16198290). Plays a role in the development of the brain and kidney (PubMed:28264986).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) results from use of an alternate splice donor site for exon 1.</p>