

## Product datasheet for **SC321584**

### CUEDC2 (NM\_024040) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CUEDC2 (NM_024040) Human Untagged Clone
Tag:	Tag Free
Symbol:	CUEDC2
Synonyms:	bA18I14.5; C10orf66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_024040.1  
 CTCGTTGGTGGGGCTGGGGGATGAGAGCTGCACCGCGGGACAAGTCGCCGGCGGGCCG  
 CGACGGAGCAGAAGAGAGAGCATGGAGCTGGAGAGGATCGTCAGTGCAGCCCTCCTTGCC  
 TTTGTCCAGACACACCTCCCGGAGGCCACCTCAGTGGCTTGGATGAGGTCATCTTCTCC  
 TATGTGCTTGGGGTCTGGAGGACCTGGGCCCTCGGGCCATCAGAGGAGAAGTTCGAT  
 ATGGAGGCTTTCAGTGAATGATGGAGGCTATGTGCCTGGCTTCGCCACATCCCCAGG  
 GGCACAATAGGGGACATGATGCAGAAGCTCTCAGGGCAGCTGAGCGATGCCAGGAACAAA  
 GAGAACCTGCAACCGCAGAGCTCTGGTGTCCAAGGTCAGGTGCCATCTCCCCAGAGCCC  
 CTGCAGCGGCCGAAAATGCTCAAAGAAGAGACTAGGTCTTCGGCTGCTGCTGCAGAC  
 ACCCAAGATGAGGCAACTGGCGCTGAGGAGGAGCTTCTGCCAGGGGTGGATGTACTCCTG  
 GAGGTGTTCCCTACCTGTTCCGGTGGAGCAGGCCAGTGGGTGCTGGCCAAAGCTCGGGGG  
 GACTTGGAAGAAGCTGTGCAGATGCTGGTAGAGGAAAGGAAGAGGGCCCTGCAGCCTGG  
 GAGGGCCCAACCGAGCCTGCCAGACGCTCAGAGGCCCCAAAAGGATGAGCTGAAG  
 TCCTTCATCCTGCAGAAGTACATGATGGTGGATAGCGCATAGTATCAGAAGATTCACCGG  
 CCCATGGCTCCCAAGGAGGCCCCCAAGAAGCTGATCCGATACATCGACAACCGAGTATG  
 AGCACCAAGGGGAGCGATTCAAAGATGTGCGGAACCTGAGGCCGAGGAGATGAAGGCC  
 ACATACATCAACCTCAAGCCAGCCAGAAAGTACCGCTTCCATTGAGGCACTCGCCGGACT  
 CTGCCCCAGCCTTCTAGGCTCAGATCCCAGAGGGATGCAGGAGCCCTATACCCCTACACA  
 GGGGCCCCCTAACTCCTGTCCCCCTTCTACTCCTTTGCTCCATAGTGTTAACCTACTC  
 TCGGAGTGCCTCCATGGGCACAGTAAAGGTGGCCCAAGGAAAAAAAAAAAAAAAAAAAAA  
 AAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_024040



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024040.1</a> , <a href="#">NP_076945.1</a>
<b>RefSeq Size:</b>	1146 bp
<b>RefSeq ORF:</b>	681 bp
<b>Locus ID:</b>	79004
<b>UniProt ID:</b>	<a href="#">Q9H467</a>
<b>Cytogenetics:</b>	10q24.32
<b>Domains:</b>	CUE
<b>Gene Summary:</b>	Down-regulates ESR1 protein levels through the ubiquitination-proteasome pathway, regardless of the presence of 17 beta-estradiol. Also involved in 17 beta-estradiol-induced ESR1 degradation. Controls PGR protein levels through a similar mechanism. [UniProtKB/Swiss-Prot Function]