

## Product datasheet for **SC319189**

### COPE (NM\_007263) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COPE (NM\_007263) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** COPE  
**Synonyms:** epsilon-COP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_007263.3  
 CTGGTGAGAAGACAGCGAAATGGCGCCTCCGGCCCCGGCCCCGGCCTCCGGCGGCTCCGG  
 GGAGGTAGACGAGCTGTTTCGACGTAAGAAGACGCCTTCTACATCGGCAGCTACCAGCAGTG  
 CATAAACGAGGCGCAGCGGGTGAAGCTGTCAAGCCCAGAGAGAGACGTGGAGAGGGACGT  
 CTTCTGTATAGAGCGTACCTGGCGCAGAGGAAGTTCGGTGTGGTCTGGATGAGATCAA  
 GCCCTCTCGGCCCTGAGCTCCAGGCCGTGCGCATGTTTGTGACTACCTCGCCACGA  
 GAGTCGGAGGGACAGCATCGTGGCCGAGCTGGACCGAGAGATGAGCAGGAGCGTGGACGT  
 GACCAACACCACCTTCTGCTCATGGCCGCTCCATCTATCTCCACGACCAGAACCCGGA  
 TGCCGCCCTGCGTGCCTGCACCAGGGGACAGCCTGGAGTGCACAGCCATGACAGTGCA  
 GATCCTGCTGAAGCTGGACCGCCTGGACCTCGCCCGGAAGGAGCTGAAGAGAATGCAGGA  
 CCTGGACGAGGATGCCACCCTCACCCAGCTCGCCACTGCCTGGGTGAGCCTGGCCACGGG  
 TGGTGAGAAGCTGCAGGATGCCTACTACATCTTCCAGGAGATGGCTGACAAGTGCTCGCC  
 CACCCTGCTGCTGCTCAATGGGCAGGCGCCTGCCACATGGCCCAGGGCCGCTGGGAGGC  
 CGCTGAGGGCCTGCTGCAGGAGGCGCTAGACAAGGATAGTGGCTACCCGGAGACGCTGGT  
 CAACCTCATCGTCTGTCCCAGCACCTGGGCAAGCCCCCTGAGGTGACAAACCGATACCT  
 GTCCCAGCTGAAGGATGCCACAGGTCCCATCCCTTCAAGGAGTACCAGGCCAAGGA  
 GAACGACTTTGACAGGCTGGTGTACAGTACGCTCCCAGCGCCTGAGGCTGGCCAGAGC  
 TGTCAGGACCATGAAGCCAGGACAGAGGCCAGGAGCCAGCCCTGCAGCCCTCCCCACCCG  
 GCATCCACCTGCATCCCCTCTGGGGCAGGAGCCACCCCCAGCACCCCATCTGTTAAT  
 AAATATCTCAACTCCAGGTGTTCCACCTGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_007263



[View online »](#)

<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_007263.3</a> , <a href="#">NP_009194.2</a>
<b>RefSeq Size:</b>	1134 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	11316
<b>UniProt ID:</b>	<a href="#">O14579</a>
<b>Cytogenetics:</b>	19p13.11
<b>Domains:</b>	Coatomer_E
<b>Gene Summary:</b>	<p>The product of this gene is an epsilon subunit of coatomer protein complex. Coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles. It is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. Coatomer complex consists of at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes isoform a.</p>