

## Product datasheet for **SC324004**

### CENPQ (NM\_018132) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CENPQ (NM\_018132) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CENPQ  
**Synonyms:** C6orf139; CENP-Q  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_018132.3  
 GAATGTTTGGGCGGAATTACTCTAAGCGCGGCTCTCAGAAGGGTCAAGAAGAATCAGT  
 GCACTGTGTTTGTAGATCAAGATGTCTGGTAAAGCAAATGCTTCCAAGAAAAACGCTCAACA  
 GTTAAAAAGAAATCCAAAGAGAAAAAAGGATAATGAGGAAGTTGTGTGTCAGAGAATAA  
 GGTTAGAAAACACAGTGAAAAAATAAAAAATCATCTGAAAGATCTGTCTTCTGAAGGACA  
 AACAAAGCACACTAACCTAAAACACGGAAGACAGCAGCCAGCAAGAGAAAAACCTGGCA  
 ACCTCTGTCAAAGAGTACCAGAGACCATTTGCAAATATGATGGAATCAGTAATAATGAC  
 AATTTTGTAGTAAACAGTATTAAGAAAAAGAAGAAATAACAATACCATCTCAACTTCCTGAA  
 GAAAAGATTGCTACAACAGTGTGAACTCTGAAAGTCCCTCCAAAAAGATGGAAGATTT  
 AACTAATGTATCAAGTCTACTGAATATGAAAAGGGCAGCAGACAAAGCTAATGAAGAAGG  
 TCTGGCATTACTACAGGAAGAAATAGATAAAATGGTAGAGACCACAGAGTTAATGACTGG  
 GAATATTCAGAGCCTAAAGAACAAAATTCAGATTCTGGCAAGTGAGGTGGAAGAAGAAGA  
 GGAGAGAGTAAAACAGATGCATCAAATAAATAGTAGTGGAGTACTCTCTTCCGGAAC  
 TTCTCAGAAAACTCTCAAAGCACCCACACTTCAGAAAGAAATTTTGGCGCTAATCCAAA  
 CCAGAATGCTCTTCTAAAGGACTTGGAATTTCTCATAATTCATCACAGATGAAGAGCAT  
 GTCAACCTTCATTGAAGAAGCCTATAAGAACTGGATGCATCTTAAAGAGTGTTTTTTTT  
 TAGATTGTTCCATATTAATTTAATGTTTCGTGAATTTGTAAAACCTGTTAACCTATGATTAT  
 ATGTACAGAGGCTAAGGCTTCTGCAGGATTTATTATCTCCTGATATGCACTTTAAAATTA  
 GTCTTTGTAGTTCTATCATTAGCATCTAATGTAGTTCTGAAGACTGTTTTTAGCAGTTGC  
 CAAATCTAGGAACTAACATTTATATTGCTGTATCTATAAGTATTTGCCTAAAACCATAA  
 AATAGGAATTGCCTTAAGGATCTAATAGTTTATAATGCCTGAATGGAACCTATTTATTGG  
 TTAACAGCTCATATCAGGAGCTGTGATAAGTAAGTGTTTACATACACTGTCTAGTGCATA  
 AA

**Restriction Sites:** ECoRI-NOT  
**ACCN:** NM\_018132



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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>	<u><a href="#">NM_018132.3</a></u> , <u><a href="#">NP_060602.2</a></u>
<b>RefSeq Size:</b>	1753 bp
<b>RefSeq ORF:</b>	807 bp
<b>Locus ID:</b>	55166
<b>UniProt ID:</b>	<u><a href="#">Q7L2Z9</a></u>
<b>Cytogenetics:</b>	6p12.3
<b>Gene Summary:</b>	CENPQ is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]). [supplied by OMIM, Mar 2008]