

Product datasheet for **SC316547**

POC5 (NM_001099271) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: POC5

Synonyms: C5orf37

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001099271, the custom clone sequence may differ by one or more nucleotides

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ATGTCATCAGATGAGGAGAAATACTCACTTCCAGTTGTGCAAAATGACTCCAGTCGAGGC
AGTTCTGTCTCTTCGAATCTTCAGGAAGAATATGAAGAAGTCTTCATTATGCTATAGTG
ACTCCAAATATTGAACCTGTGCTTCACAGTCATCTCATCCTAAGGAGAATTGGTGCCA
GATGTCAGAATTTCTACAATTCATGATATTCTTCATAGTCAAGGAAATAACTCTGAAGTA
AGAGAACTGCAATAGAGTTGGAAAAGGATGTGATTTCCATATTTCAAGTCATTCAAAG
ACAGATGAGTCATCACCAGTGTATCGCCAAGGAAGCCTTCTCACCAGTCATGGATTTT
TTCAGTTACATCTTTAGCTGACTCTTCTCACCAGCAACAAATTCATGTCATACAGAT
GCCCATGAAATACTTTGTGAGCGATTTTCTGTTTCTGATGAAAACCTTCAGAAGATGGAA
AATGTGCTTGATCTTTGGAGTTCAGGTCTTAAGACAAACATCATATCTGAACTAAGTAAA
TGGAGACTTAATTTTATTGACTGGCACCGAATGGAATGAGAAAAGAGAAAAGAAAAACAT
GCAGCACATTTAAACAACCTGTGTAATCAGATCAATGAATTGAAGGAGCTGCAAAAAACC
TTTGAAATCTCCATTGGGAGAAAAGATGAGGTGATTTCTAGCTTGCTCATGCCATAGGC
AAGCAAAAGGAAAAGATAGAGTTGATGAGAACATTCTTCCACTGGCGAATCGGCCATGTC
AGAGCCAGACAGGATGTTTATGAAGGTAACTAGCTGACCAGTACTACCAGAGAACTTTA
CTGAAGAAAGTCTGGAAGTCTGGCGTTCCGTAGTGCAAAAGCAGTGGAAGATGTGGTA
GAAAGAGCTTGTCAGCAAGAGCTGAAGAAGTTTGATCCAGATTTCCAATGATTATGAA
GCCAAAGTTGCTATGTTATCTGGAGCTTTGGAATGCAAAAGCTGAGATTCAGAAATG
CAACATGAAAAAGAGCACTTTGAAGATTCCATGAAAAAGCTTTCATGAGGGGTGATGT
GCATTAATCTTGAAGCCATGACTATATTTCAAAACAGAAATGATGCAGGGATAGACTCC
ACAAATAATAAAAAGGAAGATATGGTCCTGGTGTCAAGGAAAAGAACATTCTGCTCAT
TTGGATCCTTCAGCTCCTCGATGCCCTTACCAGTTACATCACCAGTCTGCCATCCCCA
CCAGCCGCGCTCGGAGGAGCCAGCGGACTGCCGTTCCCTCAGCTGCTTCGATGACTTCT
ACCAGGGCTGCTTCCGATCTTCTGTTTACGTTCTGTTTCTGCTCTTGGTGCAGGATCT
GCAGCTACTGCTGCATCAGAAGAAATGTATGTGCCAAGAGTTGTAACCTCTGCACAACAG
AAAGCAGGAAGAAGTATTACAGCCCGGATCACAGGAAGATGTGATTTTGCTTCAAAAAAT
AGAATTAGCAGCATTTAGCTATAATGGGAGTTTCTCCTCCATGAGCTCAGTTGTTGTG
GAAAAACATCATCCAGTCACAGTGCAAAACATTCTCAAGCAACTGCAGCAAAATATCCC
CGGACCATTATCTGAAAGTAGTACCTCAGCTTCCAGATCACTTGAACACAGATCAGCT
CACACCCAGTCTCTCACAAGTGTTTCATTCCATAAAAGTGGTTGAC
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Restriction Sites: Please inquire



ACCN:	NM_001099271
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001099271.1</u> , <u>NP_001092741.1</u>
RefSeq Size:	2170 bp
RefSeq ORF:	1728 bp
Locus ID:	134359
UniProt ID:	<u>Q8NA72</u>
Cytogenetics:	5q13.3
Gene Summary:	Essential for the assembly of the distal half of centrioles, required for centriole elongation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).