

Product datasheet for **SC308967**

Pericentrin (PCNT) (NM_006031) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pericentrin (PCNT) (NM_006031) Human Untagged Clone
Tag: Tag Free
Symbol: Pericentrin
Synonyms: KEN; MOPD2; PCN; PCNT2; PCNTB; PCTN2; SCKL4
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_006031, the custom clone sequence may differ by one or more nucleotides

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 CTACCAGATTCTACTTCAAAGAAATCCTGCCACCCGATGATTAACAGTGA

Restriction Sites:

Please inquire

ACCN:

NM_006031

OTI Disclaimer:

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.

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:	<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:	NM_006031.4 , NP_006022.3
RefSeq Size:	10554 bp
RefSeq ORF:	10011 bp
Locus ID:	5116
UniProt ID:	O95613
Cytogenetics:	21q22.3
Domains:	M
Gene Summary:	<p>The protein encoded by this gene binds to calmodulin and is expressed in the centrosome. It is an integral component of the pericentriolar material (PCM). The protein contains a series of coiled-coil domains and a highly conserved PCM targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component gamma-tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell-cycle progression. Mutations in this gene cause Seckel syndrome-4 and microcephalic osteodysplastic primordial dwarfism type II. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>