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Product datasheet for SC206144

Pericentrin (PCNT) (NM_006031) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Pericentrin
Synonyms:	KEN; MOPD2; PCN; PCNT2; PCNTB; PCTN2; SCKL4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006031
Insert Size:	447 bp
Insert Sequence:	>SC206144 3' UTR clone of NM_006031 The sequence shown below is from the reference sequence of NM_006031. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC AAATCCTGCCACCCGATGATTAAACAGTGAATAAAATGTCATGGCTCTTTCCTGCGACAATTCTATTTGA GGAAAAGATTTGTTTTTCCCTTTTCCCAAGGAAGCTCGTGGGACAGCATGGGCACTACTCTTCATGTGCG GTGACACCAGCCCCCAGATGCCTTGAATTAAGTGTCCTCACCTTTATGCATGACTGCAAAGCCAGCTGGA GCATTTTCTATGGAGCCTCCGTATGTTTTAGGCCCATGACCTTCGTGAGGTGACGGGCACTCACTCCCAT GAGCCCTGGCTGTGTGCTGTTGTGTGCCTATCGGCAGATCCATCCTTCCTGCCTCCAAGGAGGATACACA GAGAATGGCTTCCTGTTGTTTTGTTTATTTTCTTAACGTGTACAGATGGAAACTTCATTTAAAAATAAAA ACAAAACAACTCAAAAAGGAATAAAAT ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_006031.5

Summary: 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]

Locus ID: 5116