

Product datasheet for SC318701

PCM1 (NM_006197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCM1 (NM_006197) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCM1
Synonyms:	PTC4; RET/PCM-1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006197, the custom clone sequence may differ by one or more nucleotides <pre> ATGGCCACAGGAGGAGGTCCCTTTGAAGATGGCATGAATGATCAGGATTTACAAACTGG AGTAATGAGAATGTTGATGACAGGCTCAACAATATGGATTGGGGTGCCCAACAGAAGAAA GCAAAATAGATCATCAGAAAAGAATAAGAAAAAGTTTGGTGTAGAAAGTGATAAAAGAGTA ACCAATGATATTTCTCCGGAGTCGTCACCAGGAGTTGGAAGGCGAAGAACAAAGACTCCA CATACGTTCCACACAGTAGATACATGAGTCAGATGTCTGTCCCAGAGCAGGCAGAATTA GAGAACTGAAACAGCGGATAAACTTCAGTGATTTAGATCAGAGAAGCATTGGAAGTGAT TCCCAAGGTAGAGCAACAGCTGCTAACAACAAACGTCAGCTTAGTGAAAACCGAAAGCCC TTCAACTTTTTGCCTATGCAGATTAATACTAACAAGAGCAAAGATGCATCTACAAGTCCC CCAAACAGAGAAACGATTGGATCAGCACAGTGTAAAGAGTTGTTTGCTTCTGCTTTAAGT AATGACCTCTTGCAAACTGTCAGGTGTCTGAAGAAGATGGGAGGGGAGAACCTGCAATG GAGAGCAGCCAGATTGTAAGCAGGCTTGTTCAAATTCGCGATTATATTACTAAAGCTAGT TCCATGCGGGAAGATCTTGTAAGAAAAATGAGAGATCTGCTAATGTTGAGCGCCTTACT CATCTAATAGATCACCTTAAAGAACAAGAGAAGTCATATATGAAATTTCTTAAAAAATC CTTGCCAGAGATCCTCAGCAGGAGCCTATGGAAGAGATAGAAAATTTGAAGAAACAACAT GATTTATTAAGAAATGTTACAACAGCAGGAGCAACTAAGAGCTCTACAGGGACGGCAG GCTGCACTTCTAGCTCTGCAACATAAAGCAGAGCAAGCTATTGCAGTGATGGATGATTCT GTTGTTGCAGAACTGCAGGTAGCTTATCTGGCGTCAGTATCACATCTGAACTAAATGAA GAATTGAATGACTTAATTCAGCGTTTTTCATAATCAGCTTCGTGATTCTCAGCCTCCAGCT GTTCCAGACAATAGAAGACAGGCAGAAAGTCTTTCATTAAGTGGAGGTTTCCAGAGC AGGAAACCATCAGCTTCAGAACGTTTACCTGATGAGAAAGTCGAACCTTTTAGCAAAATG AGAGTGCTACAGGAAAAGAAACAAAAATGGACAAATTGCTTGGAGAACTTCATACACTT CGAGATCAGCATCTTAACAATTCATCATCCTCTCCACAAAGGAGTGTGATCAGAGAAGT ACTTCAGCTCCCTCTGCTTCTGTAGGCTTGGCACCAGGTTGTCAATGGAGAATCCAATAGC CTCACATCATCTGTTCTTATCCTACTGCTTCTCTAGTATCTCAGAATGAGAGTGAAAAC GAAGGCCACCTCAATCCATCTGAAAACTCCAGAAGTTAAATGAAGTTTCGAAAGAGATTG AATGAGCTAAGAGAATTAGTTTATTATTATGAACAAACGTCAGACATGATGACAGATGCT GTGAATGAAAACAGGAAAGATGAAGAACTGAAGAGTCAGAATATGATTCTGAGCATGAA AATTCAGGCTGTTACTAACATTCGAAATCCACAAGTAGCTTCCACTTGGAAATGAAGTA AATAGTCATAGTAATGCACAGTGTGTTTCTAATAATAGAGATGGGCGAACAGTTAATTCT </pre>


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ATGCAGACCGAAGAATTAGCTGGAAATTCTGAGACACTAAAGAACCTGAAACGGTGGGA
GCCCAGAGTATA
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Restriction Sites:

Please inquire

ACCN:

NM_006197

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.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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.
RefSeq:	<u>NM_006197.3, NP_006188.3</u>
RefSeq Size:	8788 bp
RefSeq ORF:	6075 bp
Locus ID:	5108
UniProt ID:	<u>Q15154</u>
Cytogenetics:	8p22
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The protein encoded by this gene is a component of centriolar satellites, which are electron dense granules scattered around centrosomes. Inhibition studies show that this protein is essential for the correct localization of several centrosomal proteins, and for anchoring microtubules to the centrosome. Chromosomal aberrations involving this gene are associated with papillary thyroid carcinomas and a variety of hematological malignancies, including atypical chronic myeloid leukemia and T-cell lymphoma. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015] Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.