

Product datasheet for **SC319323**

PCIF1 (NM_022104) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCIF1 (NM_022104) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCIF1
Synonyms:	C20orf67; CAPAM; hCAPAM; hPCIF1; PPP1R121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022104.3
 AGATGGCGGCAGCGGCGCTGGGGAGGGCGAGGCGGAGGCGGCAAAACGGGCGGTGAGCA
 GAACGTGTAGCCGCGTCCCCTCCAGTCCGCTCCGGGAGCTGCTGATGCAAGGAATCCCC
 TGGGCTCCCGTCCACTCCACTGCTGACCAGCCATTTCGCTGTGCTGAGTCTTCTGCGAG
 GCCTTTCTTGCCTCTGTGGGACCCTGTGGGGTCCATCCGGCTGGAGAAGAAAAGCCTC
 TCATGCTAACGTTGCAGACCCAGAGGGTCTGTGTGGGTGTGGAGATGGCCAATGAGAA
 TCACGGCAGCCCCGGGAGGAAGCGTCCCTGCTGAGTCACTCCCAGGTACCTCCAATCA
 GAGCCAGCCCTGTTCTCCAAAGCCAATCCGCTGGTTTCAGGACCTCCAGAGGAGCTGGT
 GCATGCAGGCTGGGAGAAGTGTGGAGCCGAGGAGAATCGTCCCTACTACTTCAACCG
 ATTCACCAACAGTCCCTGTGGGAGATGCCCCTGCTGGGGCAGCACGATGTGATTTGCGA
 CCCTTTGGGGTGAATGCGACCCCACTGCCCAAGACTCAAGCTTGGTGGAACTCCCC
 GGCTGAGAACAAGCCAGAAAGCGGCAGCTCTCGGAAGAGCAGCAAGCGGCAATGGTGT
 GAAGAAGCCCAAGATTGAAATCCCAGTGACACCCACAGGCCAGTCGGTGGCCAGTCCCC
 CAGTATCCAGGAACCCCAACGCTGAAGATGTGGGTACGTCCCCTGAAGATAAACAGCA
 GGCAGCTCTCTACGACCCACTGAGGTCTACTGGGACCTGGACATCCAGACCAATGCTGT
 CATCAAGCACCGGGGCCCTTCAGAGGTGCTGCCCCGCATCCCGAAGTGAAGTGTCTCCG
 CTCTCAGCTCATCTGAAGCTTCGGCAGCACTATCGGGAGCTGTGCCAGCAGCGAGAGGG
 CATTGAGCCTCCACGGGAGTCTTTCAACCGCTGGATGCTGGAGCGCAAGGTGGTAGACAA
 AGGATCTGACCCCTGTTGCCAGCAACTGTGAACCAAGTCGTGTACCTTCCATGTTTCG
 TGAAATCATGAACGACATTCTATCAGGTTATCCCGAATCAAGTTCGGGAGGAAGCCAA
 GCGCCTGCTCTTTAAATATGCGGAGGCCGCCAGGCGGCTCATCGAGTCCAGGAGTGCATC
 CCCTGACAGTAGGAAGGTGGTCAAATGGAATGTGAAGACACCTTTAGCTGGCTTCGGAA
 GGACCACTCAGCCTCCAAGGAGGACTACATGGATCGCTGGAGCATCTGCGGAGGCAGTG
 TGGCCCCCACGTCTCGGCCGAGCCAAGGACTCCGTGGAAGGCATCTGCAGTAAGATCTA
 CCACATCTCCCTGGAGTACGTCAAACGGATCCGAGAGAAGCACCTTGCCATCTCAAGGA
 AAACAACATCTCAGAGGAGGTGGAGGCCCTGAGGTGGAGCCCCGCTAGTGTACTGCTA
 CCCAGTCCGGCTGGCTGTGTCTGCACCGCCCATGCCAGCGTGGAGATGCACATGGAGAA
 CAACGTGGTCTGCATCCGGTATAAGGGAGAGATGGTCAAGGTGAGCCGCAACTACTTCAG
 CAAGCTGTGGCTCCTTTACCGCTACAGCTGCATTGATGACTCTGCCTTTGAGAGGTTCT
 GCCCGGGTCTGGTGTCTTCTCCGACGGTACCAGATGATGTTGCGCGTGGGCCTCTACGA
 GGGGACTGGCCTGCAGGGATCGCTGCCTGTGCATGTCTTTGAGGCCCTCCACCGACTCTT
 TGGCGTCAGCTTCGAGTGTCTCGCTCACCCCTCAACTGCTACTTCCGCCAGTACTGTTT
 TGCTTTCCCCGACACAGACGGCTACTTTGGCTCCCGCGGGCCCTGCCTAGACTTTGCTCC
 ACTGAGTGGTTTCAATTTGAGGGCAACCCTCCCTTCTGCGAGGAGCTCATGGATGCCATGGT
 CTCTCACTTTGAGAGACTGCTTGAGAGCTACCCGAGCCCTGTCTTTCATCGTGTTCAT
 CCCTGAGTGGCGGGAACCCCAACACAGCGCTCACCCGATGGAGCAGAGCCGCTTCAA
 ACGCCACCAAGTTGATCCTGCCTGCCTTTGAGCATGAGTACCGCAGTGGCTCCCAGCACAT
 CTGCAAGAAGGAGGAAATGCACTACAAGGCCGTCCACAACACGGCTGTGCTCTTCCTACA
 GAACGACCCTGGCTTTGCCAAGTGGGCGCCGACGCCTGAACGGCTGCAGGAGCTGAGTGC
 TGCTACCGGCAGTCAGGCCGACGCCACAGCTCTGGTTCTTCTCATCGTCTCTCCGGA
 GGCCAAGGACCGGACTCGGGCCGTGAGCAGGGTCTAGCCGCGAGCCTACCCCACTTA
 ACATATCTGCGGGGAGGAGGAGCCCAAGGGTGTAGTCTGGACTGCTGGGACTCGGGC
 CCCTGGGGCTCAGAGGGACCCCGCTGCCACTGACATATGAAGATTATGGTTCTGCCAG
 GGCTCCCCCTGCCTGTCCCCAAGTCTCACCTCAAACCTCCCTCAAGTCCCATGTAT
 ATAGGTCCTGATGCCTTCCCAACCCCGCCCTCACCTGTTGCCACCTTGTTCATTGTG
 AAAAGGAAATACAGAAACCCCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022104

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.
RefSeq:	<u>NM_022104.3</u> , <u>NP_071387.1</u>
RefSeq Size:	2703 bp
RefSeq ORF:	2115 bp
Locus ID:	63935
UniProt ID:	<u>Q9H4Z3</u>
Cytogenetics:	20q13.12
Domains:	WW
Gene Summary:	Cap-specific adenosine methyltransferase that catalyzes formation of N(6),2'-O-dimethyladenosine cap (m6A(m)) by methylating the adenosine at the second transcribed position of capped mRNAs (PubMed:30467178). Recruited to the early elongation complex of RNA polymerase II (RNAPII) via interaction with POLR2A and mediates formation of m6A(m) co-transcriptionally (PubMed:30467178). N6-methylation of m6A(m) promotes the translation of capped mRNAs (PubMed:30467178).[UniProtKB/Swiss-Prot Function]