

Product datasheet for **SC116218**

PCGF3 (NM_006315) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCGF3 (NM_006315) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCGF3
Synonyms:	DONG1; RNF3; RNF3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006315 edited
GAATTCGGCACGAGGCGTGGGAGTGTGGCCTGAAGCCTCCATGCCCCGGCAGAGGGACG
GACACGCGGACGTCTAGCGGAGAAGCCAAAGATGTTGACCAGGAAGATCAAGCTGTGGGA
CATCAACGCCACATCACCTGCCGCTGTGCAGCGGTACCTCATCGACGCCACCACGGT
GACCGAGTGTCTGCACACCTTCTGCAGGAGCTGCCTGGTGAAGTACCTGGAGGAGAACAA
CACCTGCCCCACCTGCAGGATTGTGATCCACCAGAGCCACCCCTGCAGTACATCGGTCA
TGACAGAACCATGCAAGATATTGTTTACAAATTGGTACCAGGCCTCCAAGAAGCGGAAAT
GAGAAAGCAGAGGGAGTTCTATCACAATTGGGCATGGAGGTGCCGGGAGACATCAAGGG
GGAGACCTGCTCTGCAAAACAGCACTTAGATTCCCATCGGAATGGTAAAACCAAAGCAGA
CGACAGTCAAACAAAGAGGCCGCGGAGGAGAAGCCGAGGAGGACAACGACTACCACCG
CAGCGACGAGCAGGTGAGCATCTGCCTGGAGTGAACAGCAGCAAACCTGCGCGGGCTGAA
GCGGAAGTGGATCCGCTGCTCAGCCAGGCGACCGTCTTGCATCTGAAGAAGTTCATCGC
CAAAAACTCAACCTTTCATCCTTTAACGAGCTGGACATTTTATGCAACGAGGAGATCCT
GGCAAGGACCACACTCAAGTTCGTGGTTGTCAGTGGAGATTCAAGAAGCGGCC
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TCTCCCAGAGCCGATCGTCTCTCCCCGCCACCCCGTGTTCAGCCTTGACAGGAGA
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TTCCAGGCTTTGAAAATCTGAATCACTTCAGTTAGTTTATGAATTTTAGTTTTCATGA
TAAGCCTCAATTGTAGTTGGACTTTTATTGAATCCTTCTAAGTATTGAAAAATGTCTT
TTCATGGTGAATGACAATATTTATGTTGCCTTTAGCTTCTTGAAGATTTAGAAGTTATAT
AAAAAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
GTTAGGATCAGAGCTCTCCTGGCATCCGTGGGAGGATTTGCTGGTGGTGGCTTCGGGCT
CATGCCAGACACTACTGCCCGTCTGTCCAAGGCCTCCCCTTCCCCTTTGCTGGT
GGAGGAGCTCGTGTGCTCCTTGGCCGTTACTGGAAGGGCGTTTTTCAGAGCTGCAGGGA
CAGGGTGAGCAGCTGAAGGGCTAGGAGGGAAGCCGCCCGCTGTCAGAAGGTGCATT
TCAGCTGAATCTGTGTTTCAAGCTCAGTTGGTTGCACCGTTAGCCCTCTCCTCCCGGAT
GGTCATGTTTTTGTACATTAGAGAATAAACAGCCACACACATTTTTTTTTTTTCTTT
AAAACAGTAACTTGAAATATGAAAAGGCCAGAAGGAGGACAAGGGCTGTTTTCTGGAG
TGGTTGAGGTGTTGCTCCTGCAGTTGTCATTGTCTTCTCCACCGGCTGTTCCCATTTATT
TCCTGTGGAACCTGAATCCCTCCTCCCTCCTCCTTGGGAGCCAGGTGGTCTTTGGCCA
CCATTCAGGCTTTCCAAGAAGCCAACCCTTGGAGATTTTTTTTCTTGAATTTGCTGT
TTTCTTCTGCTTTCTTTAGATAAAAAGCAGCTCAAGAGACCTTATCTTAGGGATGAGAAA
AACATGCATATTAATCCATCTGAGTGATTGTGAGTGAAGGCCTTTTAAAAACAAAAGCA
AGTTCTTTGTTAGGAATTGGTCAAAATTCATCTTTCTTTAAGCCCATCAACTCCCAGG
ACGTTTTGAGTTACTCAGTTACCTAAGCTTGTATTTCATCCAAATCATTTTCTAGAGTCA
CTGTATAAGGGTCTATGAGTAGCTGTGTATGAATAAATATTACCTGTCTACCTCAAAAAA
AAAAAAAAAAAAACTCGAC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006315 unedited NTTTTAGGTTTTGTATACGACTCTATAGGCGGCCGNAATTCGCACGAGGCGTGGGAG TGCTGGCCTGAAGCCTCCATGCCCGGCAGAGGGACGGACACGCGGACGTCTAGCGGAGA AGCCAAAGATGTTGACCAGGAAGATCAAGCTGTGGGACATCAACGCCACATCACCTGCC GCCTGTGCAGCGGGTACCTCATCGACGCCACCACGGTGACCGAGTGTCTGCACACCTTCT GCAGGAGCTGCCTGGTGAAGTACCTGGAGGAGAACAACACCTGCCCCACCTGCAGGATTG TGATCCACCAGACCACCCCTGCAGTACATCGGTCATGACAGAACCATGCAAGATTTG TTTACAAATTGGTACCAGGCCTCCAAGAAGCGGAAATGAGAAAGCAGAGGGAGTTCTATC ACAAAATTGGGCATGGAGGTGCCGGGAGACATCAAGGGGGAGACCTGCTCTGCAAAACAGC ACTTAGATTCCCATCGGAATGGTGAACCAAAGCAGACGACAGTCAAACAAAGAGGCCG CGGAGGAGAAGCCGGAGGAGGACAACGACTACCACCGCAGCGACGAGCAGGTGAGCATCT GCCTGGAGTGTAAACAGCAGCAAACCTGCGCGGGCTGAAGCGGAAGTGGATCCGCTGCTCAG CCCAGGCGACCGTCTTGATCTGAAGAAGTTCATCGCAAAAACTCAACCTTTCATCCT TTAACGAGCTGGACATTCTATGCAACGAGGGAGATCCTGGGCCAGGACCCCACTCAAG TTCGGGGCTTGTCCCTAAGCTGGAGAATCAAGAAGGCGGCCGCTCTGCTGCACTACAGAC CCAGNATGGCCTTGTGTGGAAGGTGCCACACAGAGCCACAGACTGGGCCCTCGCACC CTTTGGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006315 unedited GGCCGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTGGAGGTAGACAGGTAATATTTAT TCATACACAGCTACTCATAGACCCTTATACAGTACTCTAGAAAATGATTTGGATGAATA GCAAGCTTAAGTAACTGAGTAACTCAAACCGTCTGGGAGTTGATGGGCTTAAAGAAAGA GATGAATTTTGACCAATTCCTAACAAAGAACTTGCTTTTGTAAAAAGGCCTTACACTG ACAATCACTCAGATGGAATTAATATGCATGTTTTTCTCATCCCTAAGATAAGGTCTCTTG AGCTGCTTTTTATCTAAAGAAAGCAGAAGAAAACAGCGAAATTCAGAAAAAAATCTCC AAGGTGGTTGGCTTCTTGAAAGCCTGAATGGTGGCCAAGGACCCTGGGCTCCCAAGG AGTGGAGGGAGGAGGGATTCAAGTCCACAGGAAATAAATGGGAACAGCCCGGTGGAGAAG ACAATGACAACTGCAGGACAACACCTCAACCACTCCAGATAACAGCCCTTGCTCCTCCTT CTGGCCTTTTCATATTTCCAAGTACTGTTTTAAAGGAAAAAAAAAATGTGTGTGGC TGCTTATTCTCTAATGTGACAAATACATGACCCTCCGGGAGGAGGGGCTAACCGTGCA ACCAACTGAAGCTGTAACCCAGATTGAGCTTGAATGCAGCTTCTGCAGAGCGGGGCCGG GCTTCCCTTCTAACCTTTAGCTGCTCACCTGTTCTGCAGCTCTGAAAACGCCCTTCCA TTATCGGCCAAGACACCAGACTTCTCCACCCCAAGGGATAGGGAGGCTGCCATACCG GCAGTATTGGTCTGGGCTGATCCCAACCCCCCACTAATTTCCCCCCAGATGCCAGAAAT CTGAACTCACACCACCCTTCTTTACAAATTAAGTGGGAAAAAACTATGAACCCCAAC GGGCCCTAACTGTGGTAAN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006315
Insert Size:	2660 bp
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).
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: [NM_006315.4](#), [NP_006306.2](#)

RefSeq Size: 5666 bp

RefSeq ORF: 729 bp

Locus ID: 10336

UniProt ID: [Q3KNV8](#)

Cytogenetics: 4p16.3

Domains: RING

Gene Summary: The protein encoded by this gene contains a C3HC4 type RING finger, which is a motif known to be involved in protein-protein interactions. The specific function of this protein has not yet been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.