

## Product datasheet for SC126901

### PDGFC (NM\_016205) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PDGFC (NM_016205) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDGFC
Synonyms:	FALLOTEIN; SCDGF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126901 sequence for NM_016205 edited (data generated by NextGen Sequencing)

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ATGAGCCTCTTCGGGCTTCTCCTGCTGACATCTGCCCTGGCCGGCCAGAGACAGGGGACT
CAGGCGGAATCCAACCTGAGTAGTAAATTCAGTTTTCCAGCAACAAGGAACAGAACGGA
GTACAAGATCCTCAGCATGAGAGAATTACTGTGTCTACTAATGGAAGTATTCACAGC
CCAAGGTTTCTCATACTTATCCAAGAAATACGGTCTTGGTATGGAGATTAGTAGCAGTA
GAGGAAAATGTATGGATACAACCTACGTTTGTGAAAGATTTGGGCTTGAAGACCCAGAA
GATGACATATGCAAGTATGATTTTGTAGAAGTTGAGGAACCCAGTGATGGAATATATTA
GGGCGCTGGTGTGGTTCTGGTACTGTACCAGGAAAACAGATTTCTAAAGGAAATCAAAT
AGGATAAGATTTGTATCTGATGAATATTTCTTCTGAACCAGGGTTCTGCATCCACTAC
AACATTGTCATGCCACAATTCACAGAAGCTGTGAGTCCTTCAGTGCTACCCCTTCAGCT
TTGCCACTGGACCTGCTTAATAATGCTATAACTGCCTTTAGTACCTTGAAGACCTTATT
CGATATCTTGAACCAGAGAGATGGCAGTTGGACTTAGAAGATCTATATAGCCAACCTTGG
CAACTTCTTGGCAAGGCTTTTGTTTTGGAAAGAAAATCCAGAGTGGTGGATCTGAACCTT
CTAACAGAGGAGGTAAGATTATACAGCTGCACACCTCGTAACTTCTCAGTGTCCTAAGG
GAAGAACTAAAGAGAACCGATACCATTTTCTGGCCAGGTTGTCTCCTGGTTAAACGCTGT
GGTGGGAACTGTGCCTGTTGTCTCCACAATTGCAATGAATGTCAATGTGTCCCAAGCAA
GTTACTAAAAAATACCACGAGGTCCTTCAGTTGAGACCAAAGACCGGTGTGAGGGGATTG
CACAAATCACTCACCGACGTGGCCCTGGAGCACCATGAGGAGTGTGACTGTGTGTGCAGA
GGGAGCACAGGAGGATAG

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Clone variation with respect to NM\_016205.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_016205 unedited  GCATTTTGTAAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGCAGAACTGC  TCGCCCGCGACTTGGCTTCCAGTCTGGCTGCGGGCAACCCTTGAGTTTTCGCCTCTGTCC  TGTCGCCCGAACTGACAGGTGCTCCAGCAACTTGCTGGGGACTTCTCGCCGCTCCCCCG  CGTCCCCACCCCTCATTCTCCCTCGCCTTACCCCCACCCACCCTTCGCCACAGC  TCAGGATTTGTTAAACCTTGGGAACTGGTTCAGGTCAGGTTTTGCTTTGATCCTTTT  CAAAAACCTGGAGACACAGAAGAGGGCTCTAGGAAAAAGTTTTGGATGGGATTATGTGGAA  ACTACCCTGCGATTCTCTGCTGCCAGAGCAGGCTCGGCGCTTCCACCCAGTGCAGCCTT  CCCCTGGCGGTGGTGAAGAGACTCGGGAGTCTGCTTCCAAAGTGCCCGCGTGAGTG  AGCTCTCACCCAGTCAAGCAAATGAGCCTCTTCGGGCTTCTCCTGCTGACATCTGCCCT  GGCCGGCCAGAGACAGGGGACTCAGGCGGAATCCAACCTGAGTAGTAAATTCCAGTTTTT  CAGCAACAAGGAACAGAACGGTAGGAATATATCCAAGCATCTGGACTGGCATAGAAAAG  AGGAGAAAAGAACATTTAAAAGGAGTACAAGATCCTCAGCATGAGAGAATTATTACTGTGT  CTACTAATGGAAGTATTCACAGCCCAAGTTTTCTCATACTTATCCAAGAAATACGGTCT  TGGTATGGAGATTAGTAGCAGTAGAGGAAAATGTATGGATACAACCTTACGTTGATGAAA  GATTGGGCTTGAGACCCAGAGATGACTATGCAGTATGATTNGTAGAAGTGAGAACCATG  ATGGACATATAGGCGCTGGTGTGGTCTGGACTGACCAGAAACGATTCTAAGAATCAATAG  ATAAN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_016205 unedited  AAACGTATGACCCAAAAANCCACTTTCTTTTTTGGATGATTCAATACATTTTTGATTCAA  ATAGTCACCACATAACCTAGGCACGATTAAGCATTTCACAAGCAAAAATATTTTACTGA  TTTTCTTTTAAATGGCCAGAGTACAATAAGTGAAGTGAAGAGACATACTTCTGTACA  TAAAAATATCCATGTATTATACAAGTGTATGGAACAGAGTTTAAAGATAATAAAACCACA  ACATCACAAATAAATAGGATGTGTTCTACTGCACAGCACAGCAGCCTTTATCAGGAAGCT  GCCAAGTCTTTTTCAAGGTGCTTTATGTTTTTCTGAGCTAGGCTCAGATTTCCCCAAAAA  AGGAATAGGTTAGTAATGGCTGGATCTGAATGTCTACTTTCATAAGTTGCTTTTTATTTT  CATCTCCAATAACAGGAATGGAAGATATGATAATTTAATTATTTTCAAAAAGTCTTTGCA  ACTTACCAATTCTATCCAATTCAGTTTTTTAAAATGCAGATTAATCTAACTCTAGCACC  ATACGGAATGAAATACATGTATTTTTGTCAGAGCAACAATATTTTATATCATCTTTGTT  CCTCTGGCTATAACAATTGTGTTTAGAAAAATTTACCAAGCTAAAAATAGTTGATCTAAG  TTGTCATAAAAAAAGAATATTAATACCTTTGGTAAAAATAGATATATTTAACAAGATTAG  AAAAGCCAAACAGTTATAATGTCAAAAAGAAGATATAAAAAATGTACACAATGAAACANATAA  ACTGACTATCGATAAAGTGAAGATAAGGCCACTTCTTTTTCAGGTTATCTCTTNCAAC  CATGAATGTAGTCTTCTCTAATGCCAGCAATTTTATTAGAAAATGAAAATCCAGTCTG  TCCTATCACATCCACAAGTTAATTCAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016205
<b>Insert Size:</b>	3090 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016205.1</a> , <a href="#">NP_057289.1</a>
<b>RefSeq Size:</b>	3007 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	56034
<b>UniProt ID:</b>	<a href="#">Q9NRA1</a>
<b>Cytogenetics:</b>	4q32.1
<b>Domains:</b>	PDGF, CUB
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Melanoma, Prostate cancer, Regulation of actin cytoskeleton
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines. This gene product appears to form only homodimers. It differs from the platelet-derived growth factor alpha and beta polypeptides in having an unusual N-terminal domain, the CUB domain. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.</p>