

## Product datasheet for **SC110413**

### SCDGFB (PDGFD) (NM\_025208) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCDGFB (PDGFD) (NM_025208) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCDGFB
Synonyms:	IEGF; MSTP036; SCDGF-B; SCDGFB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025208, the custom clone sequence may differ by one or more nucleotides

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ATGCACCGGCTCATCTTTGTCTACACTCTAATCTGCGCAAACCTTTGCAGCTGTCGGGACACTTCTGCAA  
CCCCGAGAGCGCATCCATCAAAGCTTTGCGCAACGCCAACCTCAGGCGAGATGAGAGCAATCACCTCAC  
AGACTTGTACCGAAGAGATGAGACCATCCAGGTGAAAGGAAACGGCTACGTGCAGAGTCTAGATTTCCCG  
AACAGCTACCCAGGAACCTGCTCCTGACATGGCGGCTTCACTCTCAGGAGAATACACGGATACAGCTAG  
TGTTTGACAATCAGTTTGGATTAGAGGAAGCAGAAAATGATATCTGTAGGTATGATTTTGTGGAAGTTGA  
AGATATATCCGAAACCAGTACCATTATTAGAGGACGATGGTGTGGACACAAGGAAGTTCTCCAAGGATA  
AAATCAAGAACGAACCAAATTAATCACATTCAAGTCCGATGACTACTTGTGGCTAAACCTGGATTCA  
AGATTTATTATTCTTTGCTGGAAGATTTCCAACCCGAGCAGCTTCAGAGACCAACTGGGAATCTGTCAC  
AAGCTCTATTTACGGGGTATCCTATAACTCTCCATCAGTAACGGATCCCCTCTGATTGCGGATGCTCTG  
GACAAAAAATTGCAGAAATTTGATACAGTGAAGATCTGCTCAAGTACTTCAATCCAGAGTCATGGCAAG  
AAGATCTTGAGAAATGTATCTGGACACCCCTCGGTATCGAGGCAGGTACACCATGACCGGAAGTCAAA  
AGTTGACCTGGATAGGCTCAATGATGATGCCAAGCGTTACAGTTGCACTCCCAGGAATTAAGTCAAT  
ATAAGAGAAGAGCTGAAGTTGGCCAATGTGGTCTTCTTTCCACGTTGCCTCCTCGTGCAGCGCTGTGGAG  
GAAATTTGGCTGTGGAAGTGTCAACTGGAGGTCTGCACATGCAATTCAGGGAAAACCGTGAAAAAGTA  
TCATGAGGTATTACAGTTTGGCCTGGCCACATCAAGAGGAGGGGTAGAGCTAAGACCATGGCTTAGTT  
GACATCCAGTTGGATCACCATGAACGATGTGATTGTATCTGCAGCTCAAGACCACCTCGATAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_025208 unedited  
 GCAAAATTTTGTAAATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGAAGTGC GG  
 CACCCACACGCGCTCGGAAAGTTT CAGCATGCAGGAAGTTTGGGGAGAGCTCGGCGATTAG  
 CACAGCGACCCGGGCCAGCGCAGGGCGAGCGCAGGCGGCGAGAGCGCAGGGCGGCGCGGC  
 GTCGGTCCC GGAGCAGAACCCGGCTTTTCTTGGAGCGACGCTGTCTCTAGTCGCTGAT  
 CCCAAATGCACCGGCTCATCTTTGTCTACACTCTAATCTGCGCAAACCTTTTGCAGCTGTC  
 GGGACACTTCTGCAACCCCGCAGAGCGCATCCATCAAAGCTTTTGGCAACGCCAACCTCA  
 GGCGAGATGAGAGCAATCACCTCACAGACTTGTACCGAAGAGATGAGACCATCCAGGTGA  
 AAGGAAACGGCTACGTGCAGAGTCTTAGATTCCCGAACAGCTACCCAGGAACCTGCTCC  
 TGACATGGCGGCTTCACTCTCAGGAGAATACACGGATACAGCTAGTGTGTTGACAATCAGT  
 TTGGATTAGAGGAAGCAGAAAATGATATCTGTAGGTATGATTTTGTGGAAGTTGAAGATA  
 TATCCGAAACCAGTACCATTATTAGAGGACGATGGTGTGGACACAAGGAAGTTTCTCCAA  
 GGATAAAATCAAGAACGAACCAAATTAATACATTCAAGTCCGATGACTACTTTGTGG  
 CTAACCTGGATTCAAGATTTATTATTCTTTGCTGGAAGATTTCCAACCCGCAGCAGCTT  
 CAGAGACCAACTGGGAATCTGTACAAGCTCTATTTCAAGNGTATNCTATTACTTTCAT  
 CAGTNACGGATCCCACTCTGATTGCNGATGCTCTGGACANAANATTGCAGATTTGATACA  
 GTNGNAGATCTGCTCAGTACTTCATNCAGAGTCATGGCAGAGATCTTGAGATATGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_025208 unedited  
 GAACCGCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGTTCAAAAGCAATA  
 TTTATTTTTCATGAAGATAAGAGGCATATTACATTCGCTATAGAAAATGCTATGAGAGGA  
 AAAAGCTGCATGTTACCGATATGACAAAAACATAAAAAACTCTACTTATGAAAGTGT  
 TGCCCTATAAGAACATATTCAATAAAAAGGCATTATTCCAGGTGAATGAGCCATGCGGAAA  
 TGTGGATTATTAGGGTTTGTGTTGAAATGTAATTTGTACGGCCAGCTTTTTATTCTTT  
 GATGGCTATCAAATAGATTTATTGGCTACATGTTAGAAGTGCAAAAAGATAACAGGTAACC  
 AAGGGAGAAGTTTTAATAAAACTCTCAGGAAAGGCAAGAAAAGTGAGTGAATATGCCTG  
 CTTACATTTTCAGCTAATAAATAAAAAGTGCAGATAGGGCTTTAACTGAAAACCTTGCTGG  
 TTATTGCAGCCTGGAAGTTTATTGAAAAGTGGGTAGAACACTCTCATTTTTTATATTTA  
 CAGCTACATTGTGAGCTGTTT CAGGTTAGAGTGTGTAACGTTTCTTTTACTTTGGTACA  
 GGAAGTATGATGTTTTACAGGAACTTGCAAAGCAGTTATGAAGAGGAAGAGCGTTCTTA  
 ATTATTAGTGGCTGCCTGAGCTATTTCTGATTGTGTTCTGGATTTTAGAGAATTGAACA  
 ATAGAGTATTTAATTTTACCCTTCCCTCTTGGGTAAAACATCAGACACTTTTAGGAAA  
 GTTTTAGAACGCACCTCTTCAATAAGCAGAAATCTTTCATCTCAAATAACTGGGAAAGAT  
 CGCACCTGCTTAAGAATAGTTGAACCTTGGCCGAGAGCCCATACTTTAGAATCTAAGT  
 CTTTTTAAGGCACTCATCTAACACTGGGAACCTTACAAACCTTGTAAACCAACCTGTTGG  
 ATNTTATTAGGACCCCAAAGTCTGGAGAATACTGCCTTTCTTTAAN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_025208

**Insert Size:**

4000 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).

<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_025208.3</a> , <a href="#">NP_079484.1</a>
<b>RefSeq Size:</b>	3870 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	80310
<b>UniProt ID:</b>	<a href="#">Q9GZP0</a>
<b>Cytogenetics:</b>	11q22.3
<b>Domains:</b>	CUB
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	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, seven of which are found in this factor. This gene product only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. Two splice variants have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>