

Product datasheet for **SC110642**

SCDGFB (PDGFD) (NM_033135) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCDGFB (PDGFD) (NM_033135) 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_033135, the custom clone sequence may differ by one or more nucleotides

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ATGCACCGGCTCATCTTTGTCTACACTCTAATCTGCGCAAACCTTTGCAGCTGTCGGGACACTTCTGCAA  
CCCCGAGAGCGCATCCATCAAAGCTTTGCGCAACGCCAACCTCAGGCGAGATGACTTGTACCGAAGAGA  
TGAGACCATCCAGGTGAAAGGAAACGGCTACGTGCAGAGTCCTAGATTCCCGAACAGCTACCCAGGAAC  
CTGCTCCTGACATGGCGGCTTCACTCTCAGGAGAATACACGGATACAGCTAGTGTGGACAATCAGTTTG  
GATTAGAGGAAGCAGAAAATGATATCTGTAGGTATGATTTGTGGAAGTTGAAGATATATCCGAAACCAG  
TACCATTATTAGAGGACGATGGTGTGGACACAAGGAAGTTCTCCAAGGATAAAATCAAGAACGAACCAA  
ATTAATAATCACATTCAAGTCCGATGACTACTTTGTGGCTAAACCTGGATTCAAGATTTATTATTCTTTGC  
TGGAAGATTTCCAACCCGAGCAGCTTCAGAGACCAACTGGGAATCTGTACAAGCTCTATTTAGGGGT  
ATCCTATAACTCTCCATCAGTAACGGATCCCACCTCTGATTGCGGATGCTCTGGACAAAAAATTGCAGAA  
TTTGATACAGTGGAGATCTGCTCAAGTACTTCAATCCAGAGTCATGGCAAGAAGATCTTGAGAATATGT  
ATCTGGACACCCCTCGGTATCGAGGCAGGTCATACCATGACCCGGAAGTCAAAAGTTGACCTGGATAGGCT  
CAATGATGATGCCAAGCGTTACAGTTGCACTCCAGGAATTACTCGTCAATATAAGAGAAGAGCTGAAG  
TTGGCCAATGTGGTCTTCTTTCCACGTTGCCTCCTCGTGCAGCGCTGTGGAGGAAATTGTGGCTGTGAA  
CTGTCAACTGGAGTCTGCACATGCAATTCAGGAAAACCGTGAAAAAGTATCATGAGGTATTACAGTT  
TGAGCCTGGCCACATCAAGAGGAGGGGTAGAGCTAAGACCATGGCTCTAGTTGACATCCAGTTGGATCAC  
CATGAACGATGTGATTGTATCTGCAGCTCAAGACCACCTCGATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_033135 unedited</p> <pre>GGTTCAAATATTTGTATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGCAAGG AAGTGCAGCCACACACGCGCTCGNGAAGTTCAGCATGCAGGAAGTTTGGGGAGAGCTCG GCGATTAGCACAGCGACCCGGGCCAGCGCAGGGCGAGCGCAGGCGGCGAGAGCGCAGGGC GGCGCGCGTCCGTCCCGGGAGCAGAACCCGGCTTTTTCTTGGAGCGACGCTGTCTCTAG TCGCTGATCCCAAATGCACCGGCTCATCTTTGTCTACACTCTAATCTGCGCAAACTTTTG CAGCTGTGCGGACACTTCTGCAACCCCGCAGAGCGCATCCATCAAAGCTTTGCGCAACGC CAACCTCAGGCGAGATGACTTGTACCGAAGAGATGAGACCATCCAGGTGAAAGGAAACGG CTACGTGCAGAGTCCTAGATTCCCGAACAGCTACCCAGGAACCTGCTCCTGACATGGCG GCTTCACTCTCAGGAGAAATACACGGATACAGCTAGTGTGGACAATCAGTTTGGATTAGA GGAAGCAGAAAATGATATCTGTAGGTATGATTTTGTGGAAGTTGAAGATATATCCGAAAC CAGTACCATTATTAGAGGACGATGGTGTGGACACAAGGAAGTTCCCAAGGATAAAATC AAGAACGAACAAATTAATACATTCAAGTCCGATGACTACTTTGTGGCTAACCTGG ATTCAAGATTTATTCTTTGCTGGAAGATTTCCACCCGAGCAGCTTCAGAGACCAAC TGGGAATCTGTNCACAGCTCTATTTCCAGNGTATNNCTATACTCTNCATCAGTNACGGGA TCCACTCTGATTGCGGATGCTCTGGACAAAAAATGCAGAATTGATACAGTGGAGATCTG CTCAGTACTTCATCCAGAGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_033135 unedited</p> <pre>TTTGGACCGCGGCCGAATCTTTGATCGAGTTTTTTTTTTTTTTTTTTTGTTCAAAAGCA TATTTATTTTTCATGAAGATAAGAGGCATATTACATTGCTATAGAAAATGCTATGAGAG GAAAAAGCTGCATGTTACCGATATGACAAAAACATAAAAACTCTACTTATGAAAGTGT TTTGCCCTATAAGAACATATTCAATAAAAAGGCATTATTCCAGGTGAATGAGCCATGCGGA AATGTGGATTTATTAGGGTTGTTTTGAAATGTAATTTGTACGGCCAGCTTTTTATTCTCT TTGATGGCTATCAATAGATTTATTGGCTACATGTTAGAAGTGCAAAAGATAACAGGTAA CCAAGGGAGAAGTTTTAATAAACTCTCAGGAAAGGCAAGAAAAGTGAATATGCC TGCTTACATTTACGCTAATAATAAAAAGTGCAGATAGGGCTTTAACTGAAAACCTTGCT GGTTATTGACGCTGGAAGGTTTATTGAAAAGTGGGTAGAACAACCTCTCATTTTTTATATT TACAGCTACATTTGAGCTGTTCCAGGTTAGAGTGTGTAACGTTCAATTTGACTTTGTTA CAGGAAACTGATGTTTTACAGGAAACTTGCAAGCAGTTATGAAGAGGAAGAGCGTTCT TAATTATTAGTGTCTGCCTGACTATTTCTGATTGGGTTCTGGGATTTTTAGAGAATTGA CAATAGAGTATTTAAATTTACCCTCCCTCTGGAGTAAAACATTAGACCTTTTTAGAAA GTTTTAAAAGTACTTTTTCAATAACCGAGAACTTTCAATCTAAATAACTGGGAAGATTGCC CTGCTTAAGAAAGTTGAACTGGACCTGAAACCCCTTCTTAAATCTAAGTTATTTAGGC ACTTATTTAACCTGGGACTTTACCACCCTGTACCCCAAACCTGGTTTGATTAAGAAACCC C</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_033135
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).

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_033135.2](#), [NP_149126.1](#)

RefSeq Size: 3979 bp

RefSeq ORF: 1095 bp

Locus ID: 80310

UniProt ID: [Q9GZP0](#)

Cytogenetics: 11q22.3

Domains: CUB

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Focal adhesion, Gap junction, Melanoma, Prostate cancer, Regulation of actin cytoskeleton

Gene Summary: 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]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.