

## Product datasheet for **RG219172**

### PDGFC (NM\_016205) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PDGFC (NM\_016205) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PDGFC  
**Synonyms:** FALLOTEIN; SCDGF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG219172 representing NM\_016205  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCCTCTTCGGGCTTCTCCTGCTGACATCTGCCCTGGCCGGCCAGAGACAGGGGACTCAGGCGGAAT  
 CCAACCTGAGTAGTAAATCCAGTTTTCCAGCAACAAGGAACAGAACGGAGTACAAGATCCTCAGCATGA  
 GAGAATTACTGTGTCTACTAATGGAAGTATCACAGCCCAAGGTTTCTCATACTTATCCAAGAAAT  
 ACGGTCTTGGTATGGAGATTAGTAGCAGTAGAGGAAAAATGTATGGATACAACCTACGTTTGTGAAAGAT  
 TTGGGCTTGAAGACCCAGAAGATGACATATGCAAGTATGATTTTGTAGAAGTTGAGGAACCCAGTGATGG  
 AACTATATTAGGGCGCTGGTGTGTTCTGGTACTGTACCAGGAAAACAGATTTCTAAAGGAAATCAAAT  
 AGGATAAGATTTGTATCTGATGAATATTTTCTTCTGAACCAGGTTCTGCATCCACTACAACATTTGTCA  
 TGCCACAATTCACAGAAGCTGTGAGTCCTTCAGTGCTACCCCTTCAGCTTTGCCACTGGACCTGCTTAA  
 TAATGCTATAACTGCCTTTAGTACCTTGAAGACCTTATTCGATATCTTGAACCAGAGAGATGGCAGTTG  
 GACTTAGAAGATCTATATAGGCCAAGCTTGGCAACTTCTTGGCAAGGCTTTTGTGTTTGGAAAGAAATCCA  
 GAGTGGTGGATCTGAACCTTCTAACAGAGGAGGTAAGATTATACAGCTGCACACCTCGTAACTTCTCAGT  
 GTCCATAAGGGAAGAATAAAGAGAACCAGTACCATTTTCTGGCCAGGTTGTCTCCTGGTTAAACGCTGT  
 GGTGGAACTGTGCTGTTGTCTCCACAATTGCAATGAATGTCATGTGTCCCAAGCAAAGTTACTAAAA  
 AATACCAGAGGTCCTTCAAGTTGAGACCAAGACCGGTGTGAGGGGATTGCACAAATCACTACCCGACGT  
 GGCCCTGGAGCACCATGAGGAGTGTGACTGTGTGTGCAGAGGGAGCACAGGAGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG219172 representing NM\_016205  
 Red=Cloning site Green=Tags(s)

MSLFGLLLLSALAGQRQGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHSPRFPHITYPRN  
 TVLVWRLVAEENVWIIQLTFDERFGLDEPEDDICKYDFVEVEEPSDGTILGRWCGSGTVPKGQISKGNQI  
 RIRFVSDEYFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSALPLDLLNNAITAFSTLEDLIRYLEPERWQL  
 DLEDLYRPTWQLLGKAFVFGGRKSRVVDLNLLEEVRLYSCTPRNFSVSI REELKRTDITFWPGCLLVKRC  
 GGNACACCLHNCNECQCVP SKVTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDCVCRGSTGG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016205

**ORF Size:** 1035 bp

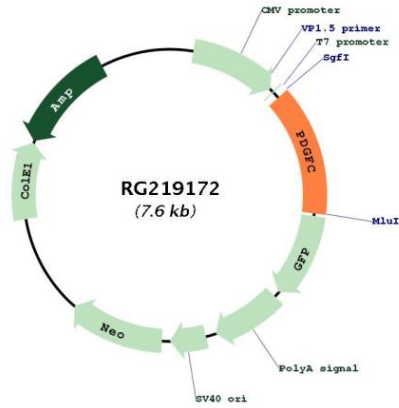
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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_016205.3</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>	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]

Product images:



Circular map for RG219172