

## OriGene Technologies, Inc.

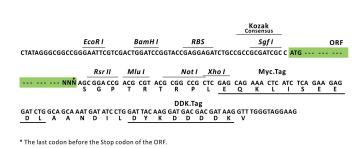
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## Product datasheet for RC206587L3

## PDGF beta (PDGFB) (NM\_002608) Human Tagged Lenti ORF Clone

## **Product data:**

| Product Type:                | Expression Plasmids   |
|------------------------------|---|
| Product Name:                | PDGF beta (PDGFB) (NM_002608) Human Tagged Lenti ORF Clone          |
| Tag:                         | Myc-DDK   |
| Symbol:                      | PDGF beta   |
| Synonyms:                    | c-sis; IBGC5; PDGF-2; PDGF2; SIS; SSV                               |
| Mammalian Cell<br>Selection: | Puromycin   |
| Vector:                      | pLenti-C-Myc-DDK-P2A-Puro (PS100092)                                |
| E. coli Selection:           | Chloramphenicol (34 ug/mL)  |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(RC206587).      |
| <b>Restriction Sites:</b>    | Sgfl-RsrII  |
| Cloning Scheme:              |   |
|                              | Cloning sites used for ORF Shuttling:                               |
|                              | Sgf1 ORF Rsr II   ··· GCG ATC GC ATG ··· // ··· NNN AGC GGA CCG ··· |



ACCN: ORF Size: NM\_002608 723 bp



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| e molecular sequence of this clone aligns with the gene accession number as a point of<br>erence only. However, individual transcript sequences of the same gene can differ through<br>turally occurring variations (e.g. polymorphisms), each with its own valid existence. This<br>ne is substantially in agreement with the reference, but a complete review of all prevailing<br>riants is recommended prior to use. <u>More info</u> |
|---|
|   |
| ies depending on the nature of the gene.  |
| e ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube<br>ntaining 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).   |
| Centrifuge at 5,000xg for 5min.<br>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>Close the tube and incubate for 10 minutes at room temperature.<br>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid<br>the bottom.<br>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of<br>pping when stored at -20°C.            |
| smids are not sterile. For experiments where strict sterility is required, filtration with<br>2um filter is required.   |
| <u>1 002608.1</u>   |
| 93 bp   |
| 5 bp  |
| 55  |
| 1127  |
| q13.1   |
| GF, PDGF_N  |
| uggable Genome  |
| cokine-cytokine receptor interaction, Focal adhesion, Gap junction, Glioma, MAPK signaling<br>thway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton,<br>nal cell carcinoma   |
| 3 kDa   |
|   |

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|               | PDGF beta (PDGFB) (NM_002608) Human Tagged Lenti ORF Clone – RC206587L3   |
|---------------|---|
| Gene Summary: | This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit B, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit A. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 17, at sites where this |

gene and that for collagen type 1, alpha 1 are located, are associated with dermatofibrosarcoma protuberans, a rare skin tumor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

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