

## Product datasheet for **RC223058L3V**

### PDGF AA (PDGFA) (NM\_002607) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PDGF AA (PDGFA) (NM_002607) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | PDGF AA  |
| Synonyms:                 | PDGF-A; PDGF1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_002607  |
| ORF Size:                 | 633 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC223058).   |
| 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. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_002607.4</a>  |
| RefSeq Size:              | 2818 bp  |
| RefSeq ORF:               | 636 bp   |
| Locus ID:                 | 5154   |
| UniProt ID:               | <a href="#">P04085</a>   |
| Cytogenetics:             | 7p22.3   |
| Protein Families:         | Druggable Genome   |



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|--------------------------|--|
| <b>Protein Pathways:</b> | Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton  |
| <b>MW:</b>               | 24.04 kDa  |
| <b>Gene Summary:</b>     | 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 A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015] |