**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC214715L4V

## GDF7 (NM_182828) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | GDF7 (NM_182828) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | GDF7 |
| **Synonyms:** | BMP12 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_182828 |
| **ORF Size:** | 1350 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC214715). |
| **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. |
| **RefSeq:** | NM_182828.2 |
| **RefSeq Size:** | 1994 bp |
| **RefSeq ORF:** | 1353 bp |
| **Locus ID:** | 151449 |
| **UniProt ID:** | Q7Z4P5 |
| **Cytogenetics:** | 2p24.1 |
| **Protein Families:** | Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - TGFb/BMP signaling pathway |

View online »

| | |
|---|---|
| **Protein Pathways:** | TGF-beta signaling pathway |
| **MW:** | 30.9 kDa |
| **Gene Summary:** | This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein may play a role in the differentiation of tendon cells and spinal cord interneurons. A mutation in this gene may be associated with increased risk for Barrett's esophagus and esophageal adenocarcinoma. [provided by RefSeq, Sep 2016] |