

## **Product datasheet for RC212527L3**

## IGF1 (NM\_000618) Human Tagged Lenti ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

Product Name: IGF1 (NM 000618) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: IGF1

Synonyms: IGF; IGF-I; IGFI; MGF

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

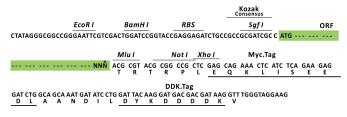
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC212527).

Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_000618

ORF Size: 459 bp



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

## IGF1 (NM\_000618) Human Tagged Lenti ORF Clone - RC212527L3

**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).

**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:** <u>NM 000618.2</u>

 RefSeq Size:
 7260 bp

 RefSeq ORF:
 462 bp

 Locus ID:
 3479

 UniProt ID:
 P05019

UniProt ID: P05019
Cytogenetics: 12q23.2

Domains: IIGF

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Dilated cardiomyopathy, Focal adhesion, Glioma, Hypertrophic cardiomyopathy (HCM), Long-

term depression, Melanoma, mTOR signaling pathway, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer

MW: 17.03 kDa

**Gene Summary:** The protein encoded by this gene is similar to insulin in function and structure and is a

member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing

to generate mature protein. [provided by RefSeq, Sep 2015]