

## Product datasheet for RC229631L3

## OriGene Technologies, Inc.

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## Cripto1 (TDGF1) (NM\_001174136) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Cripto1 (TDGF1) (NM 001174136) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Cripto1

Synonyms: CR; CR-1; CRGF; CRIPTO

Mammalian Cell Puromycin

Selection:

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

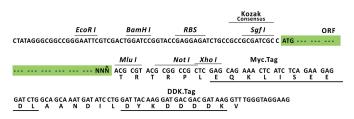
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC229631).

Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:



<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001174136

ORF Size: 516 bp





## Cripto1 (TDGF1) (NM\_001174136) Human Tagged Lenti ORF Clone - RC229631L3

**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 001174136.1</u>

 RefSeq ORF:
 519 bp

 Locus ID:
 6997

 UniProt ID:
 P13385

 Cytogenetics:
 3p21.31

Protein Families: Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell - Pluripotency,

Transmembrane

**MW:** 19.6 kDa

**Gene Summary:** This gene encodes an epidermal growth factor-related protein that contains a cripto, FRL-1,

and cryptic domain. The encoded protein is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. Mutations in this gene are associated with forebrain defects. Pseudogenes of this gene are found on chromosomes 2, 3, 6, 8, 19 and X. Alternate splicing results in multiple transcript variants.

[provided by RefSeq, Mar 2010]