

### **Product datasheet for RC204087L1**

# TIGAR (NM\_020375) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** TIGAR (NM\_020375) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TIGAR

Synonyms: C12orf5; FR2BP

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC204087).

ocquerice.

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_020375

ORF Size: 810 bp



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#### TIGAR (NM\_020375) Human Tagged Lenti ORF Clone - RC204087L1

**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 020375.2</u>

RefSeq Size: 8237 bp
RefSeq ORF: 813 bp
Locus ID: 57103

UniProt ID: Q9NQ88

Cytogenetics: 12p13.32

Domains: PGAM

MW: 30.1 kDa

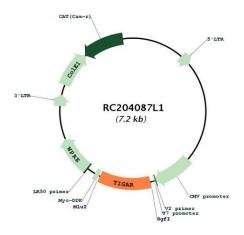
**Gene Summary:** This gene is regulated as part of the p53 tumor suppressor pathway and encodes a protein

with sequence similarity to the bisphosphate domain of the glycolytic enzyme that degrades fructose-2,6-bisphosphate. The protein functions by blocking glycolysis and directing the pathway into the pentose phosphate shunt. Expression of this protein also protects cells from DNA damaging reactive oxygen species and provides some protection from DNA damage-induced apoptosis. The 12p13.32 region that includes this gene is paralogous to the 11q13.3

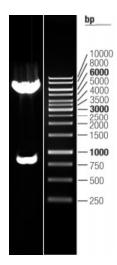
region. [provided by RefSeq, Jul 2008]



## **Product images:**



Circular map for RC204087L1



Double digestion of RC204087L1 using Sgfl and Mlul  $\,$