

Product datasheet for RC214419L3

OriGene Technologies, Inc.

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Tin2 (TINF2) (NM_012461) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tin2 (TINF2) (NM 012461) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Tin2

Synonyms: DKCA3; TIN2

Mammalian Cell Puromycin

Selection:

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

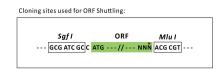
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC214419).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_012461

ORF Size: 1062 bp





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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 012461.1</u>

 RefSeq Size:
 2095 bp

 RefSeq ORF:
 1065 bp

 Locus ID:
 26277

 UniProt ID:
 Q9BSI4

 Cytogenetics:
 14q12

MW: 39.3 kDa

Gene Summary: This gene encodes one of the proteins of the shelterin, or telosome, complex which protects

telomeres by allowing the cell to distinguish between telomeres and regions of DNA damage. The protein encoded by this gene is a critical part of shelterin; it interacts with the three DNA-binding proteins of the shelterin complex, and it is important for assembly of the complex. Mutations in this gene cause dyskeratosis congenita (DKC), an inherited bone marrow failure

syndrome. [provided by RefSeq, Mar 2010]