

Product datasheet for **RC214419L2V**

Tin2 (TINF2) (NM_012461) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tin2 (TINF2) (NM_012461) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Tin2
Synonyms:	DKCA3; TIN2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012461
ORF Size:	1062 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214419).
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_012461.1
RefSeq Size:	2095 bp
RefSeq ORF:	1065 bp
Locus ID:	26277
UniProt ID:	Q9BSI4
Cytogenetics:	14q12
MW:	39.3 kDa


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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]