



**Protein Sequence:** >RG217957 representing NM\_017489  
 Red=Cloning site Green=Tags(s)

MAEDVSSAAPSPRRCADGRDADPTEEQMAETERNDEEQFECQELLECCVQVGAPEEEEEEDAGLVAEA  
 EAVAAGWMLDFLCLSLCRAFRDGRSEDFRRTNSAEAIHGLSSLTACQLRTIYICQFLTRIAAGKTLDA  
 QFENDERITPLESALMIWGSIEKEHDKLHEEIQNLIKIQAIIVCMENGNFKEAEVFERIFGDPNSHMPF  
 KSKLLMIISQKDTFHSFFQHFSYNHMMEEKIKSYVNYVLSEKSSFTLMKAAAKVVEKSRTRTITSQDKPSG  
 NDVEMETEANLDRKSVSDKQSAVTESEGTVSLLRSHKNLFLSKLQHGTQQQDLNKKERRVGTPOSTKK  
 KKESSRATESRIPVSKSQPVTPEKHRARKRQAWLWEEDKNLRSGVRKYGEGNWSKILLHYKFNNRTSVML  
 KDRWRMTMKLKLISDSSED

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_017489

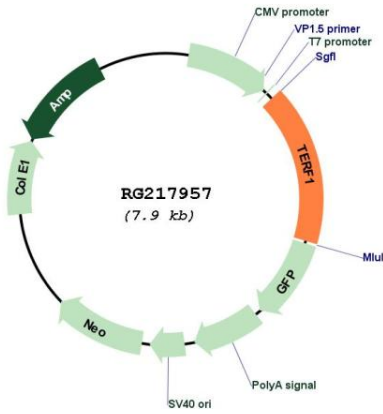
**ORF Size:** 1317 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017489.1</a></u> , <u><a href="#">NP_059523.1</a></u>
<b>RefSeq Size:</b>	2686 bp
<b>RefSeq ORF:</b>	1320 bp
<b>Locus ID:</b>	7013
<b>UniProt ID:</b>	<u><a href="#">P54274</a></u>
<b>Cytogenetics:</b>	8q21.11
<b>Domains:</b>	myb_DNA-binding
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus. Two transcripts of this gene are alternatively spliced products. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217957