



**Protein Sequence:** >RG231219 representing NM\_001198995  
 Red=Cloning site Green=Tags(s)

MGRPRVRQAWPGCCGHTGRLPAGRGLASHMCDPAGAELIGDGMSDPTPPSNACTGHIQDPASQRLTWNK  
 SPKSVLVIKKMRDASLLQPFKELCTHLMENMIVYVEKKVLEDPAIASDESFGAVKKKFCFREDYDDIS  
 NQIDFIICLGGDGTLLYASSLFQGSVPPVMAFHLGSLGFLTPFSFENFQSQVTQVIEGNAAVVLRSLKV  
 RVVKELRGKKTAVHNLGGENGSQAAGLDMDVGKQAMQYQVLEVVIDRGPSSYLSNVVDVYLDGHLITTVQ  
 GDGVIVSTPTGSTAYAAAAGASMIHPNVAIMITPICPHLSFRPIVVPAGVELKIMLSPEARNTAWVSF  
 DGRKRQEI RHGDSISITTSCYPLPSICVRDPVSDWFESLAQCLHWNVRKKQAHFEFEFEFEFEFEFE

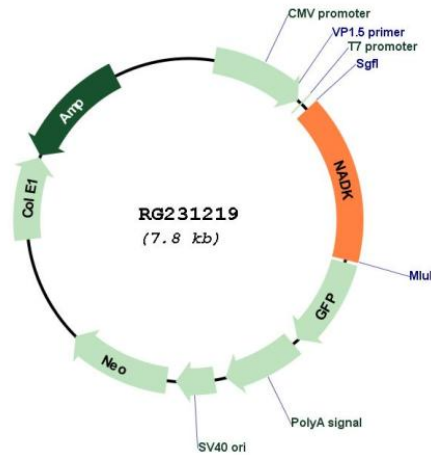
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001198995

<b>ORF Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_001198995.1</a> , <a href="#">NP_001185924.1</a>
<b>RefSeq Size:</b>	3037 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	65220
<b>UniProt ID:</b>	<a href="#">O95544</a>
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Nicotinate and nicotinamide metabolism
<b>Gene Summary:</b>	NADK catalyzes the transfer of a phosphate group from ATP to NAD to generate NADP, which in its reduced form acts as an electron donor for biosynthetic reactions (Lerner et al., 2001 [PubMed 11594753]).[supplied by OMIM, Mar 2008]