

Product datasheet for **RG231545**

ANAPC13 (NM_001242374) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ANAPC13 (NM_001242374) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ANAPC13
Synonyms: APC13; SWM1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231545 representing NM_001242374
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGTGAGGTTCCAGAGAGATGGAAGGATCTTGGATTTGATTGATGATGCTTGGCGAGAAGACAAGC
TGCCTTATGAGGATGTCGCAATACCACTGAATGAGCTTCTGAACCTGAACAAGACAATGGTGGCACCAC
AGAATCTGTCAAAGAACAAGAAATGAAGTGGACAGACTTAGCCTTACAGTACCTCCATGAGAATGTTCCC
CCCATTTGAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231545 representing NM_001242374
Red=Cloning site **Green**=Tags(s)
MDSEVQRDGRILDLDIDDAWREDKLPYEDVAIPLNELPEPEQDNGGTTESVKEQEMKWTDLALQYLHENVP
PIGN

TRTRPLE - GFP Tag - V

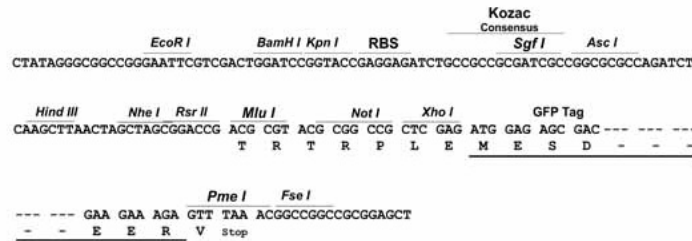
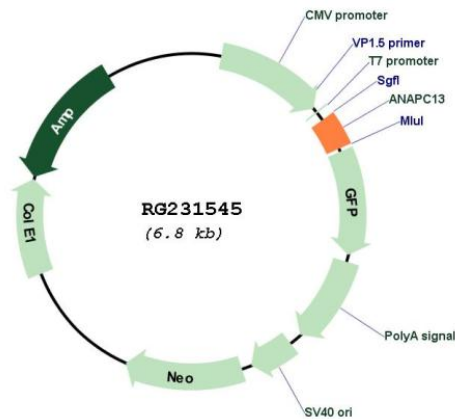
Restriction Sites: SgfI-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_001242374

ORF Size: 222 bp

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:	<ol style="list-style-type: none">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_001242374.1</u> , <u>NP_001229303.1</u>
RefSeq Size:	1859 bp
RefSeq ORF:	225 bp
Locus ID:	25847
UniProt ID:	<u>Q9BS18</u>
Cytogenetics:	3q22.2
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
Gene Summary:	This gene encodes a component of the anaphase promoting complex, a large ubiquitin-protein ligase that controls cell cycle progression by regulating the degradation of cell cycle regulators such as B-type cyclins. The encoded protein is evolutionarily conserved and is required for the integrity and ubiquitin ligase activity of the anaphase promoting complex. Pseudogenes and splice variants have been found for this gene; however, the biological validity of some of the splice variants has not been determined. [provided by RefSeq, Nov 2008]