

## Product datasheet for **RG240257**

### TACC2 (NM\_001291876) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TACC2 (NM_001291876) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TACC2
Synonyms:	AZU-1; ECTACC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240257 representing NM_001291876. Blue=ORF Red=Cloning site Green=Tag(s)

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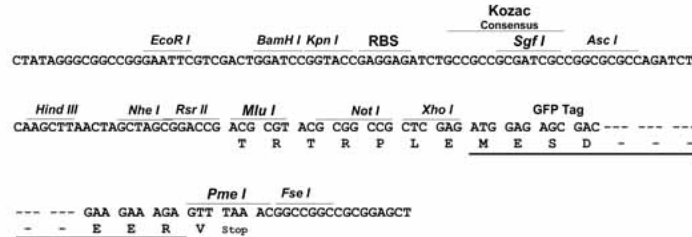
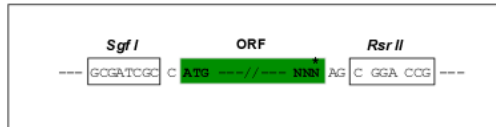
**Protein Sequence:** >Peptide sequence encoded by RG240257  
 Blue=ORF Red=Cloning site Green=Tag(s)

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**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:


**ACCN:** NM\_001291876

**ORF Size:** 8478 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).

**RefSeq:** [NM\\_001291876.1](#), [NP\\_001278805.1](#)
**RefSeq Size:** 9351 bp

**RefSeq ORF:** 8481 bp

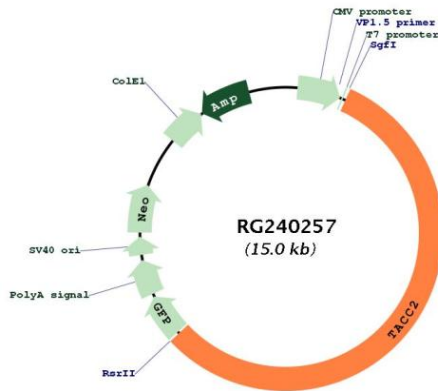
**Locus ID:** 10579

**Cytogenetics:** 10q26.13

**MW:** 297.2 kDa

**Gene Summary:**

Transforming acidic coiled-coil proteins are a conserved family of centrosome- and microtubule-interacting proteins that are implicated in cancer. This gene encodes a protein that concentrates at centrosomes throughout the cell cycle. This gene lies within a chromosomal region associated with tumorigenesis. Expression of this gene is induced by erythropoietin and is thought to affect the progression of breast tumors. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Product images:**


Circular map for RG240257