

Product datasheet for **RG238955**

TACC2 (NM_001291879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TACC2 (NM_001291879) 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)



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ORF Nucleotide Sequence:

>RG238955 representing NM_001291879.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCCTGAGGAGGCCAAAGATGAAAAAGACACCCGAGAAACTTGACAACACTCCTGCCTCACCTCCC
AGATCCCCTGCTGAACCCAATGACATCCCATTGCTAAAGTACTTACACCTTTGATATTGACAAGTGG
GATGACCCCAATTTTAAACCCTTTTTCTCCACCTCAAAAATGCAGGAGTCTCCAAAAGTCCCAACAA
TCATACAACCTTTGACCCAGACACCTGTGATGAGTCCGTTGACCCCTTTAAGACATCCTCTAAGACCCCC
AGCTCACCTTCTAAATCCCAGCCTCCTTTGAGATCCCAGCCAGTCTATGGAAGCCAATGGAGTGGAC
GGGGATGGGCTAAACAAGCCCGCAAGAAGAAGACGCCCTAAAGACTGACACATTTAGGGTAAAA
AAGTCGCCAAAACGGTCTCCTCTCTGATCCACCTTCCAGGACCCACCCAGCTGCTACACCAGAA
ACACCACAGTGTCTCTGCGGTGGTCCACGCCACAGATGAGGAAAAGCTGGCGTACCAACCAGAAG
TGGACGTGCATGACAGTGGACCTAGAGGCTGACAAACAGGACTACCCGCAGCCCTCGGACCTGTCCACC
TTTGTAAACGAGACCAAAATTCAGTTCACCCACTGAGGAGTTGGATTACAGAACTCCTATGAAATTGAA
TATATGGAGAAAATTGGCTCCTCTTACCTCAGGACGACGATGCCCCGAAGAAGCAGGCCTGTACCTT
ATGTTTGACACTTCTCAGGAGAGCCCTGTCAAGTCATCTCCCGTCCGCATGTCAGAGTCCCCGACGCCG
TGTTTCAGGGTCAAGTTTTGAAGAGACTGAAGCCCTTGTGAACACTGCTGCGAAAAACCAGCATCCTGTC
CCACGAGGACTGGCCCTAACCAAGAGTCACACTTGCAGGTGCCAGAGAAATCCTCCAGAAGGAGCTG
GAGGCCATGGGCTTGGGCACCCCTTCAAGCGATTGAAATTAGAGAGGCTGCTCACCAACAGACGTC
TCCATCTCAAAAACAGCCTTGTACTCCGCATCGGACCCGCTGAGGTGGAGAACTGCAGGCCTTCTG
TTCCAGCAGCCGACCTGGACTTGCCCTCCAGATCGCCAGAGCAGAGATCATAACCAAGGAGAGAGAG
GTCTCAGAATGGAAAGATAAATATGAAGAAGCAGGCGGGAAGTATGGAATGAGGAAAATAGTGCC
GAGTATGAGAAGACCATCGCTCAGATGATAGAGACGAACAGAGAGAGAAGTCAGTCTCCACCAGACG
GTGCAGCAGCTGTTCTGGAGAAGGAGCAAGCCCTGGCCGACCTGAACTCCGTGGAGAAGTCTCTGGCC
GACCTCTCAGAAGATATGAGAAGATGAAGGAGTCTAGAAGGCTTCCGCAAGAATGAAGAGGTGTTG
AAGAGATGTGCGCAGGAGTACCTGTCCCGGTGAAGAAGGAGGAGCAGAGGTACCAGGCCCTGAAGGTG
CACGCGGAGGAGAACTGGACAGGGCAATGCTGAGATTGCTCAGGTTGAGGCAAGGCCACGAGGAG
CAAGCCGCCACCAGGCCAGCCTGCGGAAGGAGCAGCTGCGAGTGGACGCCCTGGAAAGGACGCTGGAG
CAGAAGAATAAAGAAATAGAAGAACTACCAAGATTTGTGACGAAGTATTGCCAAAATGGGGAAAAAG
ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238955
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPLRRPKMKKTPEKLDNTPASPPRSPAEPNDIPIAKGTYTFDIDKWDDPNFNPFSSTSKMQESPPLPQQ
SYNFDPDTCDESVDPFKTSKTPSSPSKSPASFEIPASAMEANGVDGDGLNPKAKKKKTKPLKDTDFRVK
KSPKRSPLSDPPSQDPTPAATPETPPVISAHVHATDEEKLAVTNQQWTCMTVDLEADKQDYPQPSDLST
FVNETKFSSTEELDYRNSYEIEYMEKIGSSLPQDDAPKKQALYLMFDTSQESPVKSSPVRMSEPTP
CSGSSFEETEALVNTAAKNQHPVPRGLAPNQESHQVPEKSSQKELEAMGLGTPSEAIIEIREAAHPTDV
SISKALYSRIGTAEVEKPAGLLFQQPDLDSALQIARAEIITKEREVSEWKDKYEESSRREVMEMRKIVA
EYEKTIQMIEDEQREKSVSHQTVQQLVLEKEQALADLNSVEKSLADLFRRYEKMKEVLEGRKNEEVL
KRCAQEYL SRVKKEEQRYQALKVHAEKLDRAAEIAQVRGKAQQEQAAHQASLRKEQLRVDALERTLE
QKNKEIEELTKICDELIKMGKS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001291879

ORF Size: 1725 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_001291879.2](#)

RefSeq Size: 3709 bp

RefSeq ORF: 1728 bp

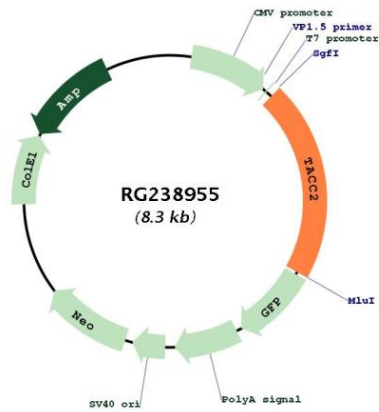
Locus ID: 10579

Cytogenetics: 10q26.13

MW: 65.1 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 RG238955