

Product datasheet for **RC238955**

TACC2 (NM_001291879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TACC2 (NM_001291879) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TACC2
Synonyms:	AZU-1; ECTACC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238955 representing NM_001291879
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTGAGGAGGCCAAAGATGAAAAAGACACCCGAGAACTTGACAACACTCTGCCTCACCTCCCA
 GATCCCCTGCTGAACCAATGACATCCCCATTGCTAAAGGTACTTACACCTTTGATATTGACAAGTGGGA
 TGACCCCAATTTTAAACCTTTTTCTCCACCTCAAAAATGCAGGAGTCTCCCAAACCTGCCCAACAATCA
 TACAACCTTGACCAGACACCTGTGATGAGTCCGTTGACCCCTTAAAGACATCCTCTAAGACCCCCAGCT
 CACCTTCTAAATCCCAGCCTCCTTTGAGATCCCAGCCAGTGCTATGGAAGCCAATGGAGTGGACGGGA
 TGGGCTAAACAAGCCCGCAAGAAGAAGACGCCCTAAAGACTGACACATTTAGGGTAAAAAGTGC
 CCAAAACGGTCTCCTCTCTGATCCACCTTCCAGGACCCACCCAGCTGCTACACCAGAAACACCAC
 CAGTGATCTCTGCGGTGGTCCACGCCACAGATGAGGAAAAGCTGGCGGTACCAACCAGAAGTGGACGTG
 CATGACAGTGGACCTAGAGGCTGACAAACAGGACTACCCGACCCCTCGGACCTGTCCACCTTTGTAAC
 GAGACCAATTCAGTTCACCCACTGAGGAGTTGGATTACAGAACTCCTATGAAATTGAATATATGGAGA
 AATTGGCTCCTCTTACCTCAGGACGACGATGCCCCGAAGAAGCAGGCCTTGTACCTTATGTTTGACAC
 TTCTCAGGAGAGCCCTGTCAAGTCATCTCCCGTCCGATGTGAGAGTCCCGACGCCGTGTTTCAAGGTC
 AGTTTTGAAGAGACTGAAGCCCTTGTGAACACTGCTGCGAAAAACCAGCATCCTGTCCCACGAGGACTGG
 CCCCTAACCAAGAGTCACACTTGCAGGTGCCAGAGAAATCCTCCAGAAGGAGCTGGAGGCCATGGGCTT
 GGGCACCCCTTCAGAAGCGATTGAAATTAGAGAGGCTGCTACCCAACAGACGTCTCCATCTCCAAAACA
 GCCTTGTACTCCGCATCGGGACCGCTGAGGTGGAGAACTGCAGGCCTTCTGTTCCAGCAGCCCGACC
 TGGACTTGCCCTCCAGATCGCCAGAGCAGAGATCATAACCAAGGAGAGAGAGGTCTCAGAAATGGAAGA
 TAAATATGAAGAAAGCAGGCGGGAAGTGAATGGAATGAGGAAAAATAGTGGCCGAGTATGAGAAGCCATC
 GCTCAGATGATAGAGGACGAACAGAGAGAGAAGTCACTCTCCACCAGACGGTGCAGCAGCTGGTCTGG
 AGAAGGAGCAAGCCCTGGCCGACCTGAACTCCGTGGAGAAGTCTCTGGCCGACCTCTTCAAGATATGA
 GAAGATGAAGGAGTCTAGAAGCTTCCGAAGAATGAAGAGGTGTTGAAGAGATGTGCGCAGGAGTAC
 CTGTCCCGGTGAAGAAGGAGGAGCAGAGGTACCAGGCCCTGAAGGTGCACGCGGAGGAGAACTGGACA
 GGGCAATGCTGAGATTGCTCAGGTTGAGGCAAGGCCACGAGGAGCAAGCCGCCACCAGGCCAGCCT
 GCGGAAGGAGCAGCTGCGAGTGGACGCCCTGAAAGGACGCTGGAGCAGAAGAATAAAGAAATAGAAGAA
 CTCACCAAGATTGTGACGAAGTATTGCCAAAATGGGAAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238955 representing NM_001291879
 Red=Cloning site Green=Tags(s)

MPLRRPKMKKTPEKLDNTPASPPRSPAEPNDIPIAKGTYTFDIDKWDDPNFNPFSSTSKMQESPPLPQQS
 YNFDPDTCDESVDPFKTSKTPSSPSKSPASFEIPASAMEANGVDGDLNPKAKKKKTKPLKTDTRVKKKS
 PKRSPLSDPPSQDPTPAATPETPPVISAVVHATDEEKLAVTNQKWTMTVDLEADKQDYPQPSDLSTFVN
 ETKFSSPTEELDYRNSYEIEYMEKIGSSLPQDDDAPKKQALYLMFDTSQESPVKSSPVRMSESPTPCSGS
 SFEETEALVNTAAKNQHPVPRGLAPNQESHQVPEKSSQKELEAMGLGTPSEAIEIREAAHPTDVSISK
 ALYSRIGTAEVEKPAGLLFQQPDLDSALQIARAEIITKEREVSEWKDKYEESSRREVMEMRKIVAEYEKTI
 AQMIEDEQREKSVSHQTVQQLVLEKEQALADLNSVEKSLADLFRRYEKMKEVLEGFRRKNEEVLKRCQEQY
 LSRVKKEEQRYQALKVHAEKLDLANAEIAQVRGKAQQEAAHQASLRKEQLRVDALERTLEQKNKEIEE
 LTKICDELIAMGKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

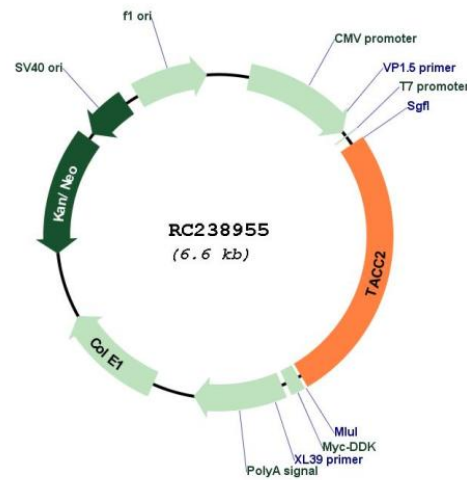
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



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).
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:	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]