

## Product datasheet for **RC239878**

### TACC2 (NM\_001291878) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TACC2 (NM\_001291878) 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  
**ORF Nucleotide Sequence:** >RC239878 representing NM\_001291878  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGAGGGTCGCAGTCCCTGCAGCCAGCCCCAGCCAGCGACCTGAACCTGGAGGCTCCGAGGCAATGA  
GTTCCGATTCTGAAGAGGCATTTGAGACCCCGAGTCAACGACCCTGTCAAAGCTCCGCCAGCTCCACC  
CCCACCACCCCGAAGTCATCCAGAACCCGAGGTCAGCACACAGCCACCCCGGAAGAACCAGGATGT  
GGTTCTGAGACAGTCCCTGTCCCTGATGGCCACGGAGCGACTCGGTGGAAGGAAGTCCCTCCGTCGCC  
CGTCACACTCCTTCTCTGCCGTCTTCGATGAAGACAAGCCGATAGCCAGCAGTGGGACTTACAACCTGGA  
CTTTGACAACATTGAGCTTGTGGATACCTTTCAGACCTTGGAGCCTCGTGCCTCAGACGCTAAGAATCAG  
GAGGGCAAAGTGAACACACGGAGGAAGTCCACGGATTCCGTCCCATCTCTAAGTCTACACTGTCCCGGT  
CGCTCAGCCTGCAAGCCAGTGACTTTGATGGTGCTTCTCCTCAGGCAATCCCGAGGCCGTGGCCCTTGC  
CCCAGATGCATATAGCACGGGTTCCAGCAGTGCTTCTAGTACCCTTAAGCGAACTAAAAACCGAGGCCG  
CCTTCTTAAAAAAGAAACAGACCACCAAGAAACCCACAGAGACCCCCAGTGAAGGAGACGCAACAGG  
AGCCAGATGAAGAGAGCCTTGTCCCAAGTGGGAGAATCTAGCATCTGAGACGAAAACGGAACTGTGCCA  
GACGGAAGGTCTAGCCAGCCTTATTGGAGGAGACGCCCTTGAAGCCGCTGTGGGCCCAAAGCTGCC  
TGCCCTCTGGACTCAGAGAGTGCAGAAGGGTGTCCCCCGGCTTCTGGAGGTGGCAGAGTGCAGAACT  
CACCCCTGTCCGGAGGAAAACGCTGCCTCTTACCACGGCCCGGAGGCAGGGGAGGTAACCCCATCGGA  
TAGCGGGGGCAAGAGGACTCTCCAGCCAAAGGCTCTCCGTAAGGCTGGAGTTTACTATTCTGAGGAC  
AAGAGTAGTTGGGACAACCAGCAGGAAAACCCCTCCTACAAAAAGATAGGCAAAAAGCCAGTTGCCA  
AAATGCCCTGAGGAGGCCAAAGATGAAAAGACACCCGAGAACTTGACAACACTCCTGCCTCACCTCC  
CAGATCCCTGTGAACCAATGACATCCCATTTGCTAAAGTACTTACACCTTTGATATTGACAAGTGG  
GATGACCCCAATTTAAACCTTTTTCTCCACCTCAAAAATGCAGGAGTCTCCAAACTGCCCAACAAT  
CATACAACTTTGACCCAGACACCTGTGATGAGTCCGTTGACCCCTTAAAGACATCTCTAAGACCCCGAG  
CTCACCTTCTAAATCCCGAGCCTCTTTGAGATCCAGCCAGTGCTATGGAAGCCAAATGGAGTGGACGGG  
GATGGGCTAAACAAGCCCGCAAGAAGAAGAAGACGCCCTAAAGACGATGGTTGAAGATGTGATGTCTG



TGTGTTCTCTGTTTGACACATTTAGGGTGAAAAAGTCGCCAAAACGGTCTCCTCTCTGATCCACCTTC  
 CCAGGACCCACCCAGCTGCTACACCAGAAACACCACAGTGATCTCTGCGGTGGTCCACGCCACAGAT  
 GAGGAAAAGCTGGCGGTACCAACCAGAAGTGGACGTGCATGACAGTGGACCTAGAGGCTGACAAACAGG  
 ACTACCCGCAGCCCTCGGACCTGTCCACCTTTGTAACAGAGACCAAAATTCAGTTCACCCACTGAGGAGTT  
 GGATTACAGAACTCCTATGAAATTGAATATATGGAGAAAATTGGCTCCTCCTTACCTCAGGACGACGAT  
 GCCCGAAGAAGCAGGCCCTTGACCTTATGTTTGACACTTCTCAGGAGAGCCCTGTCAAGTCATCTCCCG  
 TCCGCATGTCAGAGTCCCGACGCCGTTCAGGGTCAAGTTTTGAAGAGACTGAAGCCCTGTGAACAC  
 TGCTGCGAAAAACCAGCATCCTGTCCCAGGACTGGCCCTAACCAAGAGTCACACTTGACAGGTGCCA  
 GAGAAATCCTCCAGAAGGAGCTGGAGGCCATGGGCTTGGGCACCCCTTACAAGCGATTGAAATTACAG  
 CTCCCAGGGCTCCTTTGCCTCTGCTGACGCCCTCCTCAGCAGGCTAGCTCACCCGCTCTCTCTGTGG  
 TGCACTTGACTATCTGGAGCCGACTTAGCAGAAAAGAACCCCCACTATTGCTCAGAACTCCAGAGA  
 GAGGCTGCTCACCAACAGAGCTCTCCATCTCCAAAACAGCCTTGTACTCCCGCATCGGGACCGCTGAGG  
 TGGAGAACTGCAGGCCCTTCTGTTCCAGCAGCCGACCTGGACTCTGCCCTCCAGATCGCCAGAGCAGA  
 GATCATAACCAAGGAGAGAGAGGTTCTAGAATGGAAAGATAAATATGAAGAAAGCAGCGGGAAGTGATG  
 GAAATGAGGAAAATAGTGGCCGAGTATGAGAAGACCATCGCTCAGATGATAGAGGACGAACAGAGAGAGA  
 AGTCAGTCTCCCACCAGACGGTGCAGCAGCTGGTTCGGAGAAGGAGCAAGCCCTGGCCGACCTGAACTC  
 CGTGGAGAAGTCTCTGGCCGACCTTTCAGAAGATATGAGAAGATGAAGGAGGTCCTAGAAGGCTCCCGC  
 AAGAATGAAGAGGTGTTGAAGAGATGTGCGCAGGAGTACCTGTCCCGGTGAAGAAGGAGGAGCAGAGGT  
 ACCAGGCCCTGAAGGTGCACGCGGAGGAGAAAATGGACAGGGCCAATGCTGAGATTGCTCAGGTTGAGG  
 CAAGGCCAGCAGGAGCAAGCCGCCACCAGGCCAGCCTGCGGAAGGAGCAGCTGCGAGTGGACGCCCTG  
 GAAAGGACGCTGGAGCAGAAGAATAAAGAAATAGAAGAACTACCAAGATTTGTGACGAAGTATTGCCA  
 AAATGGGAAAAGC

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239878 representing NM\_001291878  
 Red=Cloning site Green=Tags(s)

MGGSQSLQPAPASDLNLEASEAMSSDSEEFETPESTTPVKAPPAPPPPPPEVIPEPEVSTQPPPEEPGC  
 GSETVPPVDPGPRSDSVEGSPFRPPSHSFSAVFDEDKPIASSGTYNLDFDNIELVDTFQTLPRASDAKNQ  
 EGKVNTRRKSTDSVPIISKSTLSRSLSLQASDFGASSGNPEAVALAPDAYSTGSSSASSTLKRTRKPRP  
 PSLKKKQTTTKPTETPPVKETQQEPDEESLVPSENLASETKTESAKTEGSPALLEETPLEPAVGPKAA  
 CPLDSESAEGVPPASGGGRVQNSPPVGRKTLPLTTAPEAGEVTPSDSGGQEDSPAKGLSVRLEFDYSED  
 KSSWDNQQENPPPTKKIGKKPVAKMPLRRPKMKKTPEKLDNTPASPPRSPAEPNDIPIAKGTYTFDIDKW  
 DDPNFPNFSSTSKMQESPPLPQQSYNFDPDTCDESVDPFKTSSTPSSPSKSPASFEIPASAMEANGVDG  
 DGLNPKAKKKKTLPLKTMVEDVMSVCSLFDTRVKKSPKRSPLSDPPSQDPTPAATPETPPVISAVVHATD  
 EEKLAVTNQWTCMTVDLEADKQDYPQPSDLSTFVNETKFSSTPEELDYRNSYEIEYMEIGSSLPQDD  
 APKKQALYLMFDTSQESPVKSSPVRMSEPTPCSGSSFEETEALVNTAAKNQHPVPRGLAPNQESHQV  
 EKSSQKELEAMGLGTPSEAIETAPEGSFASADALLSRLAHPVSLCGALDYLEPDLAEKNPPLFAQKLQR  
 EAAHPTDVSISKALYSRIGTAEVEKPAQLLFFQPDLDLSALQIARAEIITKEREVSEWKDYEESRREVM  
 EMRKIVAEYEKTIQMIEDEQREKSVSHQTVQQLVLEKEQALADLNSVEKSLADLFRRYEKMKVELEGR  
 KNEEVLKRCQEYL SRVKKEEQRYQALKVHAEKLDRAEIAQVRGKAQQEQAAHQASLRKEQLRVDAL  
 ERTLEQKNKEIEELTKICDELIAMGKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul



<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_001291878.2</a>
<b>RefSeq Size:</b>	4036 bp
<b>RefSeq ORF:</b>	3027 bp
<b>Locus ID:</b>	10579
<b>UniProt ID:</b>	<a href="#">O95359</a>
<b>Cytogenetics:</b>	10q26.13
<b>MW:</b>	110.5 kDa
<b>Gene Summary:</b>	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]