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# Product datasheet for SC336849

## TACC2 (NM_001291879) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | TACC2 (NM_001291879) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | TACC2 |
| **Synonyms:** | AZU-1; ECTACC |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

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**Fully Sequenced ORF:**

```
>SC336849 representing NM_001291879.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCCTGAGGAGGCCAAAGATGAAAAAGACACCCGAGAAACTTGACAACACTCCTGCCTCACCTCCC
AGATCCCCTGCTGAACCCAATGACATCCCCATTGCTAAAGGTACTTACACCTTTGATATTGACAAGTGG
GATGACCCCAATTTTAACCCTTTTTCTTCCACCTCAAAAATGCAGGAGTCTCCCAAACTGCCCCAACAA
TCATACAACTTTGACCCAGACACCTGTGATGAGTCCGTTGACCCCTTTAAGACATCCTCTAAGACCCCC
AGCTCACCTTCTAAATCCCCAGCCTCCTTTGAGATCCCAGCCAGTGCTATGGAAGCCAATGGAGTGGAC
GGGGATGGGCTAAACAAGCCCGCCAAGAAGAAGAAGACGCCCCTAAAGACTGACACATTTAGGGTGAAA
AAGTCGCCAAAACGGTCTCCTCTCTCTGATCCACCTTCCCAGGACCCCACCCCAGCTGCTACACCAGAA
ACACCACCAGTGATCTCTGCGGTGGTCCACGCCACAGATGAGGAAAAGCTGGCGGTCACCAACCAGAAG
TGGACGTGCATGACAGTGGACCTAGAGGCTGACAAACAGGACTACCCGCAGCCCTCGGACCTGTCCACC
TTTGTAAACGAGACCAAATTCAGTTCACCCACTGAGGAGTTGGATTACAGAAACTCCTATGAAATTGAA
TATATGGAGAAAATTGGCTCCTCCTTACCTCAGGACGACGATGCCCCGAAGAAGCAGGCCTTGTACCTT
ATGTTTGACACTTCTCAGGAGAGCCCTGTCAAGTCATCTCCCGTCCGCATGTCAGAGTCCCCGACGCCG
TGTTCAGGGTCAAGTTTTGAAGAGACTGAAGCCCTTGTGAACACTGCTGCGAAAAACCAGCATCCTGTC
CCACGAGGACTGGCCCCTAACCAAGAGTCACACTTGCAGGTGCCAGAGAAATCCTCCCAGAAGGAGCTG
GAGGCCATGGGCTTGGGCACCCCTTCAGAAGCGATTGAAATTAGAGAGGCTGCTCACCCAACAGACGTC
TCCATCTCCAAAACAGCCTTGTACTCCCGCATCGGGACCGCTGAGGTGGAGAAACCTGCAGGCCTTCTG
TTCCAGCAGCCCGACCTGGACTCTGCCCTCCAGATCGCCAGAGCAGAGATCATAACCAAGGAGAGAGAG
GTCTCAGAATGGAAAGATAAATATGAAGAAAGCAGGCGGGAAGTGATGGAAATGAGGAAAATAGTGGCC
GAGTATGAGAAGACCATCGCTCAGATGATAGAGGACGAACAGAGAGAGAAGTCAGTCTCCCACCAGACG
GTGCAGCAGCTGGTTCTGGAGAAGGAGCAAGCCCTGGCCGACCTGAACTCCGTGGAGAAGTCTCTGGCC
GACCTCTTCAGAAGATATGAGAAGATGAAGGAGGTCCTAGAAGGCTTCCGCAAGAATGAAGAGGTGTTG
AAGAGATGTGCGCAGGAGTACCTGTCCCGGGTGAAGAAGGAGGAGCAGAGGTACCAGGCCCTGAAGGTG
CACGCGGAGGAGAAACTGGACAGGGCCAATGCTGAGATTGCTCAGGTTCGAGGCAAGGCCCAGCAGGAG
CAAGCCGCCCACCAGGCCAGCCTGCGGAAGGAGCAGCTGCGAGTGGACGCCCTGGAAAGGACGCTGGAG
CAGAAGAATAAAGAAATAGAAGAACTCACCAAGATTTGTGACGAACTGATTGCCAAAATGGGGAAAAGC
TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001291879

**Insert Size:** 1728 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001291879.1 |
| **RefSeq Size:** | 3709 bp |
| **RefSeq ORF:** | 1728 bp |
| **Locus ID:** | 10579 |
| **Cytogenetics:** | 10q26.13 |
| **MW:** | 64.7 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]<br>Transcript Variant: This variant (8) differs in the 5' UTR and coding region and lacks two internal coding exons compared to variant 1. These differences result in the use of a downstream AUG compared to variant 1. The encoded isoform (h) has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |