

Product datasheet for **SC308289**

TACC2 (NM_206860) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TACC2 (NM_206860) Human Untagged Clone
Tag: Tag Free
Symbol: TACC2
Synonyms: AZU-1; ECTACC
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_206860, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGGGTCGCGAGTCCCTGCAGCCAGCCCCAGCCAGCGACCTGAACCTGGAGGCTTCC
GAGGCAATGAGTTCGATTCTGAAGAGGCATTTGAGACCCCGGAGTCAACGACCCCTGTC
AAAGCTCCGCCAGCTCCACCCCCACCACCCCCGAAGTCATCCAGAACCCGAGGTCAGC
ACACAGCCACCCCGGAAGAACCAGGATGTGGTCTGAGACAGTCCCTGTCCCTGATGGC
CCACGGAGCGACTCGGTGGAAGGAAGTCCCTTCCGTCCCCCGTCACACTCCTTCTCTGCC
GTCTTCGATGAAGACAAGCCGATAGCCAGCAGTGGGACTTACAACCTGGACTTTGACAAC
ATTGAGCTTGTGGATACCTTTCAGACCTTGGAGCCTCGTGCCTCAGACGTAAGAATCAG
GAGGGCAAAGTGAACACACGGAGGAAGTCCACGGATTCCGTCCCCATCTCTAAGTCTACA
CTGTCCCGGTGCTCAGCCTGCAAGCCAGTGACTTTGATGGTGCTTCTCCTCAGGCAAT
CCCCGAGGCCGTGGCCCTTGCCCCAGATGCATATAGCACGGGTTCCAGCAGTGCTTCTAGT
ACCCTTAAGCGAACTAAAAAACCGAGGCCGCTTCCCTTAAAAAGAAACAGACCACCAAG
AAACCCACAGAGACCCCCAGTGAAGGAGACGCAACAGGAGCCAGATGAAGAGAGCCTT
GTCCCCAGTGGGGAGAATCTAGCATCTGAGACGAAAACGGAATCTGCCAAGACGGAAGGT
CCTAGCCCAGCCTTATTGGAGGAGACGCCCTTGAGCCCGCTGTGGGGCCCAAAGCTGCC
TGCCCTCTGGACTCAGAGAGTGCAGAAGGGGTTGTCCCCCGGCTTCTGGAGGTGGCAGA
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GGGGAGGTAACCCCATCGGATAGCGGGGGCAAGAGGACTCTCCAGCAAAGGGCTCTCC
GTAAGGCTGGAGTTTACTATTCTGAGGACAAGAGTAGTTGGGACAACCAGCAGGAAAAC
CCCCCTCTACAAAAAGATAGGCAAAAAGCCAGTTGCCAAAATGCCCTGAGGAGGCCA
AAGATGAAAAAGACACCCGAGAACTTGACAACACTCCTGCCTCACCTCCAGATCCCCT
GCTGAACCAATGACATCCCATTTGCTAAAGGTAACCTTTGATATTGACAAGTGG
GATGACCCCAATTTTAAACCTTTTTCTCCACCTCAAAAATGCAGGAGTCTCCAAACTG
CCCCAACAAATCATACAACCTTTGACCCAGACACCTGTGATGAGTCCGTTGACCCCTTAAAG
ACATCCTCTAAGACCCCAAGCTCACCTTCTAAATCCCCAGCCTCCTTTGAGATCCCAGCC
AGTGCTATGGAAGCCAATGGAGTGGACGGGATGGGCTAAACAAGCCCGCAAGAAGAAG
AAGACGCCCTAAAGACTGACACATTTAGGGTGAAGAAAGTCCGCAAAAACGGTCTCCTCTC
TCTGATCCACCTTCCCAGGACCCACCCAGCTGCTACACCAGAAAACACCACAGTGATC
TCTGCGGTGGTCCACGCCACAGATGAGGAAAAGCTGGCGGTCCACCAACCAGAAAGTGGACG
TGCATGACAGTGGACCTAGAGGCTGACAAAACAGGACTACCCGACGCCCTCGGACCTGTCC

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ACCTTTGTAAACGAGACCAAATTCAGTTCACCCACTGAGGAGTTGGATTACAGAACTCC
TATGAAATTGAATATATGGAGAAAATTGGCTCCTTACCTCAGGACGACGATGCCCCG
AAGAAGCAGGCCTTGTACCTTATGTTTGACACTTCTCAGGAGAGCCCTGTCAAGTCATCT
CCCGTCCGCATGTCAGAGTCCCCGACGCCGTGTTCAAGGTCAAGTTTTGAAGAGACTGAA
GCCCTTGTGAACACTGCTGCGAAAAACCAGCATCTGTCCCACGAGGACTGGCCCCTAAC
CAAGAGTCACACTTGCAGGTGCCAGAGAAAATCCTCCCAGAAGGAGCTGGAGGCCATGGC
TTGGGCACCCCTTCAGAAGCGATTGAAATTACAGCTCCCAGGGCTCCTTTGCCTCTGCT
GACGCCCTCCTCAGCAGGCTAGCTCACCCCGTCTCTCTGTGGTGCACCTTGACTATCTG
GAGCCCGACTTAGCAGAAAAGAACCCCCACTATTGCTCAGAAAACCTCCAGAGAGAGGCT
GCTCACCCAACAGACGTCTCCATCTCCAAAACAGCCTTGTACTCCCGCATCGGGACCGCT
GAGGTGGAGAAAACCTGCAGGCCTTCTGTTCCAGCAGCCGACCTGGACTCTGCCCTCCAG
ATCGCCAGAGCAGAGATCATAACCAAGGAGAGAGAGGTCTCAGAATGGAAAGATAAATAT
GAAGAAAGCAGGCGGAAGTGATGGAAATGAGGAAAATAGTGGCCGAGTATGAGAAGACC
ATCGCTCAGATGATAGAGGACGAACAGAGAGAGAAGTCAGTCTCCACCAGACGGTGCAG
CAGCTGGTTCTGGAGAAGGAGCAAGCCCTGGCCGACCTGAACTCCGTGGAGAAGTCTCTG
GCCGACCTCTTCAGAAGATATGAGAAGATGAAGGAGGTCTAGAAGGCTTCCGCAAGAAT
GAAGAGGTGTTGAAGAGATGTGCGCAGGAGTACCTGTCCCGGGTGAAGAAGGAGGAGCAG
AGGTACCAGGCCCTGAAGGTGCACGCGGAGGAGAAAACCTGGACAGGGCCAATGCTGAGATT
GCTCAGGTTTCGAGGCAAGGCCACGAGGAGCAAGCCGCCACCAGGCCAGCCTGCGGAAG
GAGCAGCTGCGAGTGGACGCCCTGGAAAGGACGCTGGAGCAGAAGAATAAAGAAATAGAA
GAACTACCAAGATTTGTGACGAACTGATTGCCAAAATGGGGAAAAGCTAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_206860
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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.
 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_206860.1](#), [NP_996742.1](#)
- RefSeq Size:** 3825 bp
- RefSeq ORF:** 2991 bp
- Locus ID:** 10579

UniProt ID: [O95359](#)

Cytogenetics: 10q26.13

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]

Transcript Variant: This variant (3) uses a different structure for its 5' UTR and 5' coding region, and also lacks an internal coding exon compared to variant 1. The resulting protein (isoform c) is shorter and has a distinct N-terminus compared to isoform a. 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.