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Product datasheet for SC308290

TACC2 (NM_206861) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: TACC2 (NM_206861) Human Untagged Clone

Tag: Tag Free

Symbol: TACC2

Synonyms: AZU-1; ECTACC

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_206861, the custom clone sequence may differ by one or more nucleotides

ATGGGCAATGAGAACAGCACCTCGGACAACCAGAGGACTTTATCAGCTCAGACTCCAAGG
TCCGCGCAGCCACCCGGGAACAGTCAGAATATAAAAAGGAAGCAGCAGGACACGCCCGGA
AGCCCTGACCACAGAGACGCGTCCAGTTCACCTGTGGCAGATGATATCATCCAGCCCGCT
GCCCCCGCAGACCTGGAAAGCCCAACCTTAGCTGCCTCTTCCTACCACGGTGATGTTGTT
GGCCAGGTCTCTACGGATCTGATAGCCCAGAGGAGTTCCGATTCTGAAGAGGCATTTGAG
ACCCCGGAGTCAACGACCCCTGTCAAAGCTCCGCCAGCTCCACCCCCACCACCCCCCGAA
GTCATCCCAGAACCCGAGGTCAGCACACAGCCACCCCCGGAAGAACCAGGATGTGGTTCT
GAGACAGTCCCTGTCCCTGATGGCCCACGGAGCGACTCGGTGGAAGGAAGTCCCTTCCGT
CCCCCGTCACACTCCTTCTCTGCCGTCTTCGATGAAGACAAGCCGATAGCCAGCAGTGGG
ACTTACAACTTGGACTTTGACAACATTGAGCTTGTGGATACCTTTCAGACCTTGGAGCCT
CGTGCCTCAGACGCTAAGAATCAGGAGGGCAAAGTGAACACACGGAGGAAGTCCACGGAT
TCCGTCCCCATCTCTAAGTCTACACTGTCCCGGTCGCTCAGCCTGCAAGCCAGTGACTTT
GATGGTGCTTCTTCCTCAGGCAATCCCGAGGCCGTGGCCCTTGCCCCAGATGCATATAGC
ACGGGTTCCAGCAGTGCTTCTAGTACCCTTAAGCGAACTAAAAAACCGAGGCCGCCTTCC
TTAAAAAAGAAACAGACCACCAAGAAACCCACAGAGACCCCCCCAGTGAAGGAGACGCAA
CAGGAGCCAGATGAAGAGAGCCTTGTCCCCAGTGGGGAGAATCTAGCATCTGAGACGAAA
ACGGAATCTGCCAAGACGGAAGGTCCTAGCCCAGCCTTATTGGAGGAGACGCCCCTTGAG
CCCGCTGTGGGGCCCAAAGCTGCCTGCCCTCTGGACTCAGAGAGTGCAGAAGGGGTTGTC
CCCCCGGCTTCTGGAGGTGGCAGAGTGCAGAACTCACCCCCTGTCGGGAGGAAAACGCTG
CCTCTTACCACGGCCCCGGAGGCAGGGGAGGTAACCCCATCGGATAGCGGGGGGCAAGAG
GACTCTCCAGCCAAAGGGCTCTCCGTAAGGCTGGAGTTTGACTATTCTGAGGACAAGAGT
AGTTGGGACAACCAGCAGGAAAACCCCCCTCCTACCAAAAAGATAGGCAAAAAGCCAGTT
GCCAAAATGCCCCTGAGGAGGCCAAAGATGAAAAAGACACCCGAGAAACTTGACAACACT
CCTGCCTCACCTCCCAGATCCCCTGCTGAACCCAATGACATCCCCATTGCTAAAGGTACT
TACACCTTTGATATTGACAAGTGGGATGACCCCAATTTTAACCCTTTTTCTTCCACCTCA
AAAATGCAGGAGTCTCCCAAACTGCCCCAACAATCATACAACTTTGACCCAGACACCTGT
GATGAGTCCGTTGACCCCTTTAAGACATCCTCTAAGACCCCCAGCTCACCTTCTAAATCC
CCAGCCTCCTTTGAGATCCCAGCCAGTGCTATGGAAGCCAATGGAGTGGACGGGGATGGG
CTAAACAAGCCCGCCAAGAAGAAGAAGACGCCCCTAAAGACTGACACATTTAGGGTGAAA

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AAGTCGCCAAAACGGTCTCCTCTCTCTGATCCACCTTCCCAGGACCCCACCCCAGCTGCT
ACACCAGAAACACCACCAGTGATCTCTGCGGTGGTCCACGCCACAGATGAGGAAAAGCTG
GCGGTCACCAACCAGAAGTGGACGTGCATGACAGTGGACCTAGAGGCTGACAAACAGGAC
TACCCGCAGCCCTCGGACCTGTCCACCTTTGTAAACGAGACCAAATTCAGTTCACCCACT
GAGGAGTTGGATTACAGAAACTCCTATGAAATTGAATATATGGAGAAAATTGGCTCCTCC
TTACCTCAGGACGACGATGCCCCGAAGAAGCAGGCCTTGTACCTTATGTTTGACACTTCT
CAGGAGAGCCCTGTCAAGTCATCTCCCGTCCGCATGTCAGAGTCCCCGACGCCGTGTTCA
GGGTCAAGTTTTGAAGAGACTGAAGCCCTTGTGAACACTGCTGCGAAAAACCAGCATCCT
GTCCCACGAGGACTGGCCCCTAACCAAGAGTCACACTTGCAGGTGCCAGAGAAATCCTCC
CAGAAGGAGCTGGAGGCCATGGGCTTGGGCACCCCTTCAGAAGCGATTGAAATTACAGCT
CCCGAGGGCTCCTTTGCCTCTGCTGACGCCCTCCTCAGCAGGCTAGCTCACCCCGTCTCT
CTCTGTGGTGCACTTGACTATCTGGAGCCCGACTTAGCAGAAAAGAACCCCCCACTATTC
GCTCAGAAACTCCAGGAGGAGTTAGAGTTTGCCATCATGCGGATAGAAGCCCTGAAGCTG
GCCAGGCAGATTGCTTTGGCTTCCCGCAGCCACCAGGATGCCAAGAGAGAGGCTGCTCAC
CCAACAGACGTCTCCATCTCCAAAACAGCCTTGTACTCCCGCATCGGGACCGCTGAGGTG
GAGAAACCTGCAGGCCTTCTGTTCCAGCAGCCCGACCTGGACTCTGCCCTCCAGATCGCC
AGAGCAGAGATCATAACCAAGGAGAGAGAGGTCTCAGAATGGAAAGATAAATATGAAGAA
AGCAGGCGGGAAGTGATGGAAATGAGGAAAATAGTGGCCGAGTATGAGAAGACCATCGCT
CAGATGATAGAGGACGAACAGAGAGAGAAGTCAGTCTCCCACCAGACGGTGCAGCAGCTG
GTTCTGGAGAAGGAGCAAGCCCTGGCCGACCTGAACTCCGTGGAGAAGTCTCTGGCCGAC
CTCTTCAGAAGATATGAGAAGATGAAGGAGGTCCTAGAAGGCTTCCGCAAGAATGAAGAG
GTGTTGAAGAGATGTGCGCAGGAGTACCTGTCCCGGGTGAAGAAGGAGGAGCAGAGGTAC
CAGGCCCTGAAGGTGCACGCGGAGGAGAAACTGGACAGGGCCAATGCTGAGATTGCTCAG
GTTCGAGGCAAGGCCCAGCAGGAGCAAGCCGCCCACCAGGCCAGCCTGCGGAAGGAGCAG
CTGCGAGTGGACGCCCTGGAAAGGACGCTGGAGCAGAAGAATAAAGAAATAGAAGAACTC
ACCAAGATTTGTGACGAACTGATTGCCAAAATGGGGAAAAGCTAA

Restriction Sites: Please inquire

ACCN: NM_206861

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_206861.1, NP_996743.1

RefSeq Size:	4144 bp
RefSeq ORF:	3285 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 (2) lacks three internal in-frame exons compared to variant 1. The resulting protein (isoform b) is shorter compared to isoform a. Isoform b has also been called the 'short' isoform. 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.