

## Product datasheet for **SC116130**

### TACC3 (NM\_006342) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TACC3 (NM_006342) Human Untagged Clone
Tag:	Tag Free
Symbol:	TACC3
Synonyms:	ERIC-1; ERIC1; maskin; Tacc4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_006342 edited
GAATTCGGCACGAGGGCGGCGGTAGCAGCCAGGCTTGGCCCTGGCGTGGAGCAGACGCG
GACCCCTCCTTCTGGCGGCGGCGGGCTCAGAGCCGGCAACGGGCGGGCGGGCA
GAATGAGTCTGCAGGTCTTAAACGACAAAAATGTCAGCAATGAAAAAATACAGAAAATT
GCGACTTCTGTTTTCGCCACCAGAAGTACCAGGAAGATCGTCTGTTCTTCGTGTGTAC
AGAAAGAAAATGTCCACCCAAGAACCTGGCCAAAGCTATGAAGTGACTTTTCAGACAC
CTCTGCGGGATCCACAGACGCACAGGATTCTAAGTCTAGCATGGCCAGCAAACCTTGAGG
CTCCTTTCACTCAGGATGACACCCTTGGACTGGAAAACTCACACCCTGCTGGACACAGA
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AACCAAGTGGAGGCTGACACCGACCTCCTGGGGATGCAAGCCAGCCTTTGGAGTGGCA
GCTCCAGCAAGTCTGGCCAGGTGCCCTGGCTGACCTGGACTGCTCAAGCTTTCCAGAG
GCCAGGAAGTTCTGAGAACCAATGGTGTCTCCAGGAAAAGTGTCTGGCAGCCCTGAGC
AAGCCGTGGAGGAAAACCTTAGTTCCTATTCCTTAGACAGAAGAGTGACACCCGCTCTG
AGACCCTAGAAGACCCTGCAGGACAGAGTCCCAGCACAAGCGGAGACTCCGCACGGAG
CCGAGGAAGAATGCAAAGCGGAGACTCCGCACGGAGCCGAGGAGGAATGCCGGCACGGTG
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GCGGAGGAGCACCCCTGCAGGCTGCCTGGCGAAGCCCTGGGCTGCCCTGCGGGTGTGG
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GGTCCGGGCTCAAGCCTCCCTTGGAGAAAGCAGCAGTGGGAGCAGAAAAGCCCCGAGG
AGGTGGAGGAGGACGAGTGGAGCGGAGCGGAGAGGACCCCCCATGCCAGTCTCTC
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CAAGCTGTCCAGGCAGTGGCCAGTGGCCACCCATCAGCAGGGGCAGCCTGCCTTGAGC
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ACCTGGAGCAGTTTGAAGTTCCTCGTTAAGGAGTGGCCTTGAGGAAGCAGTCTTAT
ACCTCAAGTTCGACCCCTCCTGAGGGACAGTCTGTTAGACCAGTGCCCGTGGCCACCG
AGACCAGCAGCATGCACGGTCAAATGAGACTCCCTCAGGACGTCCGCGGGAAGCCAAGC
TTGTGGAGTTCGATTTCTTGGGAGCACTGGACATTCTGTGCCAGGCCACCCCAAGGTG
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CTCCACGGAGCCGCTGTCCCGCCCCCTGCTCCCGTCTGTCTGTCTGTCTGATTCTCT
TAGGTGTCATGTTCTTTTTCTGTCTTGTCTTCAACTTTTTTTAAAATAAGATTGCTTTG
AAAACATGACTCAATAAAAGTTTCTTTCAATTTAAAAAATAAAATAAAATAAACTCGAC

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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006342 unedited  
 CACAATTTTGTAAATACGACTCACTATAGGGCGGCCGACATTTCGCACGAGGGCGGCGGT  
 AGCAGCCAGGCTTGGCCCTGGCGTGGAGCAGACGCGGACCCCTCCTTCCTGGCGGCGGC  
 GGC CGGGCTCAGAGCCCGGCAACGGCGGGCGGGCAGAATGAGTCTGCAGGTCTTAAAC  
 GACAAAAATGTCAGCAATGAAAAAATACAGAAAATTGCGACTTCCTGTTTTCGCCACCA  
 GAAGTTACCGAAGATCGTCTGTTCTTCGTGTGTACAGAAAAGAAAATGTGCCACCCAAG  
 AACCTGGCCAAAGCTATGAAGGTGACTTTTCAGACACCTCTGCGGGATCCACAGACGCAC  
 AGGATTCTAAGTCTAGCATGGCCAGCAAACCTGAGGCTCCTTTACTCAGGATGACACC  
 CTTGGACTGGAAAACCTACACCCGGTCTGGACACAGAAAAGAGAACCAACAGCTCATCAAG  
 GAAGTGGATGCCAAAACCTACTCATGGAATTCTACAGAAACAGTGGAGGCTGACACCGAC  
 CTCCTGGGGATGCAAGCCAGCCTTTGGGAGTGGCAGCTCCAGCAAGTCTGGCCAGGT  
 GCCCTGGTGCACCTGGACTGCTCAAGCTTTCCAGAGCCAGGAAGTTCTGAGAACCA  
 ATGGTGTCTCCAGAAAAGTGTCTGGCAGCCCTGAGCAAGCCGTGGAGGAAAACCTTAGT  
 TCCTATTCCTTAGACAGAAGAGTACACCCGCCTCTGAGACCCTAGAAGACCCTTGACAGG  
 ACAGAGTCCCAGCACAAAGCGGAGACTCCGCACGGAGCCGAGGAAGAATNGCAAGCGGAG  
 ACTNCGCACGGAGCCCGAGGAGAATGCCNGGCAGGTGGNGTCTGTGCTCCCGCAGCAGTG  
 CCACTTCGCCTNCTGGTGAATCCTAGGAAGCCTGCGGAGGACCCCTGCAGGNTCTGCT  
 NCG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006342 unedited  
 GGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAAATTGAAAGGAACTTTTAT  
 TGAGTCATGTTTTCAAAGCAATCTAGTTTTAAAAAAGTTGAAGACAAGACAGAAAAAAG  
 AACATGACACCTAAGAGAATCAGACAGGACAGACAGACGGGAGCAGGGGGCGGGGACAG  
 CGGCTCCGTGGAGTCAAGTCTTCTCCATCTTGGAGATGAGGTCTGCGAGATCCTGGTC  
 AGCTCCTCGTTCTTTAGTCTTCTGCTCCACTGTCTTCTCCAGCGACTGGATGCGCATC  
 TGCTCCTTCTCAGGCTGGCCTGGAGGGCAACGCTTCCGCTGGGCCTTGCTCCGGACC  
 TGGGCGATCTCCTCGTTTGCAGCTGCAGCTTCTCCTCCGCGTGGGCCTTCAGGGCTTGG  
 TACCTCTGGCCCTCCTGGGTGATCCTTGCCAGGTAATCCTCCACGCACCTTTCAGTGAC  
 TCTTCGTTCTTGGCGTAGCCCTCGATCACCTCTTCTGTTTCTCAAACGCTTGAAGAGG  
 TCGGAGAAGGACTTCTCCATGGAGCTCAGATCTGTGGTAAGTTGGTCTTTTTCTTTTAA  
 ACTTTCTGGATTTAGCTTTGGAAAGTTCTTCTGCTTCTGAACCTCCTCCATGGCCTGG  
 TACACAACCTCTTGAACCTGTCCATGATCTTCCAGTTCCAGTTCTTCCGTGGAGC  
 TCCTCACACCTGCTCCTTAGCTCCGTTCTCCTTCTGTGTGCGCTTTTACTGATCCA  
 GGGCCTTCTGGTGTACTGGAGCAGGTCCACTATAGGTCCCGGTGGACAGGGGTTGGCC  
 CCCAGCGCCGGAACACCCTGGGGTTGGCCCTGCCAAGAATGTCCATGGCTTCCAAAA  
 TTGAACCTACAGCTTGCCTTCCGCGCCTCTGAGGAATTTTTTTTGGCCGGCCTGCTG  
 TGGTTTCGGGGCCCGGGCCGTGTACCA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006342

**Insert Size:**

2620 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.
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\\_006342.1](#), [NP\\_006333.1](#)

**RefSeq Size:** 2788 bp

**RefSeq ORF:** 2517 bp

**Locus ID:** 10460

**UniProt ID:** [Q9Y6A5](#)

**Cytogenetics:** 4p16.3

**Domains:** TACC

**Gene Summary:** This gene encodes a member of the transforming acidic coiled-coil protein family. The encoded protein is a motor spindle protein that may play a role in stabilization of the mitotic spindle. This protein may also play a role in growth and differentiation of certain cancer cells. [provided by RefSeq, Nov 2011]