

## Product datasheet for MC223742

### Tacc2 (NM\_206856) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tacc2 (NM_206856) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tacc2
Synonyms:	mKIAA4180
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223742 representing NM_206856 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGCAACGAGAACAGCACCTCGGACCACCAGAGGACTTCTTCAGTTCAGAGTCCAAGGTCACTGCAGC  
CACCTGGGAAGAGTCAATCTCTACAGAAGCAACAAGGAGACTTGCCTGGATCGTGTGCTGGAAGTATCCC  
TGGAACTGATGATGTCATCCAGCCAGCTGCTCCTGTTGACCCGGGACACCCACCTTAGCTGACTCGTCC  
CACCATGGTGACGCTGTCAGCTCAGTCTCTACACATCTGACAGTCCAGAGCGCCTCCCCATCTGCTGCC  
GTGCAAGTCTGCTCCTTTGGCCCCAGAACATACAGCCTCGGCTCCCTCCGCAGCCGGTCTGGAGTAGA  
AGTCAACCCCACTGCCTCCCCAACACCTGGCCAAGAACGAACCCAGGAGTTCCGACTCTGAGGAAGCC  
TTTGAGACCCCGAGTCAACGACCCCTGTCAAAGCTCCACCAGCCCTCCCCCTCCACCCCTGAAGTCA  
CCCCAGAGCCTGAGGTATCGATCCACCAGCCCCAGAAGAACCAGGATGCATTTCTGAGCCACCGTTGT  
GGTTCCCGATGGCCCTCGCAGCAGCGAGTCCGTGGAAGGAAGCCCTTTCCGTCTTCCACTCCTCCTCG  
GCGGTGTTTCGATGAAGACAAGCCGATAGCCAGCAGCGGGACTTACAACCTAGACTCGACAGCATCGAGC  
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CGGAGGAAATCCACCGAGTCCGTGCCACCCTCAAGTCCACGCTGTCCGGTTCGCTTAGCCTACAAGCC  
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GCAAGCCACCAAGAAACCCACAGAAACCCCCAGTGAAGGAGACCCAACAGGAACAGGTGAAGAGAGT  
CCAGTCCCAGTGAGGAACACTTAGCACAGAGACAAAGACGGAGTCGGCCACACCTGAGGGCGCTGGTT  
GCACCTTGTGACAGGATACACCCCTGGAGTCCCCTGCTGTCCCCACAGCCACCTGTCTCTGACTTTGGA  
GAGTGCAGAAGACGTTAGCCCCGTTTCTGGAGGTGGCAGAGTGCAGAACTCACCCCAAGTTGGGAGG  
AAATCAGTGCCTCTTACCACAGCCTCTGAGGCGGTGGAGGTGACCCTGTCCGACAGTGGGGGCAAGAGG  
ACTTGCCTGCCAAGGGTTGTGAGTGGAGCTGGAGTTTACTATTCTGAGGACAAGGGAAGTTGGGAGAG  
TCAGCAGGAAAACGCCCTCCCACCAAAAAGATAGGCAAGAAGCCAGTTGCCAAAATGCCCTAAGGAGG  
CCAAAGATGAAAAGACCCCGAGAACTTGACAACACTCCTGCCTCACCTCAAGGTCCCTACTGAAC



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CCAGTGACACCCCTATTGCTAAAGGTACCTACACCTTTGATATAGACAAGTGGGATGACCCCAATTTTAA
CCCTTTTTCTCCACCTCAAAAATGCAAGAGTCTCCCAAAGTGTCCCAACAATCGTACAACCTTTGACCCCT
GACGCCTGTGAAGAGTCCCTTGACCCCTTTAAGGCATCCTCTAAGACCCCCAGCTCACCTTCTAAGTCCC
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CGGAAGCACCCCTCAGCCATCTCTACAGTGGTCCACGCCACAGATGAGGAGAAGCTGGCAGTCACTAGCCA
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AACTTTGTAAATGAGACCAAATTC AATTCACCCTCAGAGGAGCTGGACTACAGAACTCCTATGAAATTG
AATACATGGAAAAGCTTGGCTCCTCTTACCTCAGGACGATGACACTCCGAAAGAAGCAGGCCTTGTACCT
TATGTTTGACACTCCTCAGGAGAGCCCCGTCAAGTCTCTCCAGTCCGGATGTCAGATTCCTCAACTCCA
TGTTCCAGGTCGAGTTTGGAGACACCGAAGCCCTTGTGAATGCAGCAACAAAGCTCCAGCATCCAGTCCG
CAAGAGGTCTGCCCTCCAGTCCAGGACCTCTTGCAGGTGCCTGAGAAGCCCTCCAGAAGGAGCTGGA
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GATACCCTCCTCAGCAGGCTGGCCATCCCGCCTCTCTGTGGTGCCTGGCTATCTGGAGCCTGACT
TAGCAGAAAAGAACCCCAAGTATTTGCCAGAACTTCAGGAGGAGTTAGAGTTTGTCTGTCATGCCGAT
AGAAGCCCTGAAGCTGGCCAGGCAGATCGCCCTGGCTTCCCGCAGCCGCCAGGACACCAAGAGGGAGCT
GCTCACCCACCAGATGTCTCCATCTCAAAAAGTGCCTTGTACTCCCGCATCGGGTCCACCAGGTGGAGA
AACCCCAAGGCCTTCTGTTCCAGCAGCCAGACCTGGACTCTGCACTCCAGGTTGCCAGAGCAGAGGTCAT
CGCCAAGGAGAGAGAAGTCTCAGAGTGGAGGGATAAATATGAAGAAAGCCGACGGGAAGTGGTGGAAATG
AGGAAAATTGTGGCCGAATATGAGAAGACCATTGCACAGATGATCGAGGACGAACAGAGAGAAAAATCCA
TCTCCCACTCAACTGTACAGCAGCTGGTCTGGAGAAGGAGCAAGCCCTGGCTGACCTGAACCTGTGGA
AAAGTCTCTGGCTGACCTCTTCCAGGAGATACGAAAAGATGAAGGAGGTCCTGGAAGGTTTTCGAAAGAAT
GAAGAGGTGTGAAGAAAATGTGCGCAGGAGTACCTATCCCGAGTGAAGAAAGAGGAACAGAGGTACCAGG
CCCTGAAGGTGCACGCCAAGAGAACTGGACAGAGCCAATGCAGAGATTGCCAGGTTCCGCGCAAGGC
CCAGCAAGAGCAAGCAGCCTACCAGGCTAGCCTGCGGAAGGAGCAGCTTCGAGTGGATGCTCTGAAAGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_206856
- Insert Size:** 3441 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\\_206856.3](#), [NP\\_996738.2](#)

**RefSeq Size:** 3906 bp

**RefSeq ORF:** 3441 bp

**Locus ID:** 57752

**UniProt ID:** [Q9JIG0](#)

**Cytogenetics:** 7 F3

**Gene Summary:** This gene encodes a member of the transforming, acidic coiled-coil (TACC) family of proteins. Members of this family are centrosomal proteins that interact with microtubules and tubulin. TACC proteins are thought to be involved in centrosome/mitotic spindle dynamics and gene regulation. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) lacks an alternate in-frame exon, compared to variant 3, resulting in a shorter protein (isoform a) that has a shorter N-terminus, compared to isoform c.