

## Product datasheet for **RN210114**

### **Tacc3 (NM\_001004424) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tacc3 (NM_001004424) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tacc3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210114 representing NM\_001004424  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTCTGCATATCTTAACTGACGAAAATGTCCCAACGAGAAGAGTTCAGAAAGCCGTGACTTCTGT  
 TTTCAGCACCAGAACTTACCGGAAGATCCTCTGTTCTTCGCCTGTACAGAAAGAAAATGTACCTCCCAA  
 GAACCAGGCTAAAGCCGCAAAGGTGACTTTTCAGACACCTCTTCGGGATCCACAGACACACAGGATCTTA  
 AGTCTAATATGACCAGCAAACCTTGAGGCTCCTTTTGTCTGGATGACAGTGTGGATTACAAAATGACC  
 ACTGTGTCTTTACAGAAAGAGAACCAGCTGCCGGTAGCCCCAGTGGACGATGTACCTGTGGTTACAGT  
 GGCAGCCGAGATCCTGAAAGCAGAGGACGAGTTACAGGAGGGAATTTGAATTCCTTGAGCCCTTACGCT  
 TTCACAAGTTTTCCAGACGGTGAGCTGGTAACCCCTCCAATCGAGCCGATGCCGGAGCCTTCCCCTCAGG  
 GGCCAGAGCCTCTTTGGACAGCGAGCCAGTGACCCCTCCAGTCAAGCCAGTGTGGAACCTACTCTCA  
 GGGCCAGAGCCTCTTTGGACAGTGGCCGGTAGCCCTCCAGTCAAGCCAGTACTGGAACCTACCCCT  
 CAGGGATCAGAGCCTCTTTGGACAGTGGCCAGTGACCCCTTCTGTTGAACAGTGCCAGAGTCTTCCC  
 ATCAGGGACCAGAACCTCTTTGGACAGTGGCCAGTGACCCCTTCTGTTGAACAGTGCCAGAGTCTTC  
 CCATCAGGGACCAGAACCTCTTTGGACCCAAAGGAAGAGAGCTTTAGAGACCCAGCAGAAGTTCTAGGT  
 GCTGGTGTGAAGTGGATTATCTGGAGCAATTTGGAACCTCCTCGTTCAAGGAGTCAGCCTGGAGGAAGC  
 AGTCTTTGTAAGTGAATTTGACCCCTTCTGAAAGAGAGCCCTTTGCGGTCAATGCCAGTGCCAGTGCC  
 CCCAGTGACAAATAGTACACAGGATACAGAGGAGTCTGGCTCCGGAATCCAACAGAAAGCAAGCTCGTC  
 GACTTAGATTTCTTTGGAGGCTGGATGTTCTGTGTGCGCCCAACCCCTGTGTCTTGGAGCCTCGAG  
 GTCTCCTTCTGCGGAGCCTATTGTGGAGTGTGAAATACAGTCAGAAAGACCTGGATGCAGTGGTGAT  
 GCAGCAGGAGAACTTGGAGCTGAGAAACAAATATGAGGACCTCAACACGAAGTATCTGGAGATGGGAAGA  
 TCGTTGATGGATTTGAGAAAGATCGTGTATAAATCAATGGAGGAGGCTGAGAAACAGAAGGAACTAGCTG  
 AAGACAAAATTCAAAAGATTTTAAAGAGAGAGACCAACTTACTGCGGATCTGAACTCTATGGAGAAGTC  
 CTTCTCTGACCTTTCAAGCGGTTTGAAGCAGAAAGGAAAGTATTGAAGGCTACCAGAAGAATGAAGAT  
 TCACTGAAGAAGTGTGTTGAGGATTACATAGTGAAGATTGAAAAGAAGGCCAGAGGTACCAGGCGCTGA  
 AGGCCACGCAGAAAGAAAACCAAGATGGCAATGAAGAGATCGCCCAAGTGCAGGAAGCAAGGCCAAGC  
 AGAGGCACTGGCTCTCCAGGCAAGCCTGAGGAAGGCACAGTTGCAGATCCAGTCACTGGAGAAGACTGTG  
 GAGCAGAAAGACTAAAGAGAACGATGAACTGAACAGGATCTGCGATGAACTCATTGCTAAGATGGAGAAGA  
 AGATCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001004424

**Insert Size:** 1758 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\\_001004424.1](#), [NP\\_001004424.1](#)

**RefSeq Size:** 2042 bp

**RefSeq ORF:** 1758 bp

**Locus ID:** 360962

**Cytogenetics:** 14q21

**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. [provided by RefSeq, Jul 2008]