

## Product datasheet for **RR210114**

### Tacc3 (NM\_001004424) Rat Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>RR210114 representing NM\_001004424  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTCTGCATATCTTAACTGACGAAAATGTCCCAACGAGAAGAGTTCAGAAAGCCGTGACTTCTCTGT  
 TTTCAGCACCAGAACTTACCGGAAGATCCTCTGTTCTTCGCCTGTACAGAAAGAAAATGTACCTCCCAA  
 GAACCAGGCTAAAGCCGCAAAGGTGACTTTTCAGACACCTCTTCGGGATCCACAGACACACAGGATCTTA  
 AGTCTTAATATGACCAGCAAACCTTGAGGCTCCTTTTGTCTGGATGACAGTGTGGATTACAAAATGACC  
 ACTGTGTCTTCTTACAGAAAGAGAACCAGCTGCCGGTAGCCCCAGTGGACGATGTACCTGTGGTTGAGAT  
 GGCAGCCGAGATCCTGAAAGCAGAGGACGAGTTACAGGAGGGAATTTGAATTCCTTGAGCCCTTACAGT  
 TTCACAAGTTTTCCAGACGGTGAAGTAAACCCCTCAAATCGAGCCGATGCCGGAGCCTTCCCCTCAGG  
 GGCCAGAGCCTCTTGGACAGCGAGCCAGTGACCCCTCCAGTCAAGCCAGTGTGGAACCTACTCTCA  
 GGGCCAGAGCCTCTTGGACAGTGAAGCCGAGTACCCCTCCAGTCAAGCCAGTACTGGAACCTACCCCT  
 CAGGGATCAGAGCCTCTTGGACAGTGAAGCCAGTGAACCTTCTGTTGAACAGTGCAGAGTCTTCCC  
 ATCAGGGACCAGAACCTCTTGGACAGTGAAGCCAGTGAACCTTCTGTTGAACAGTGCAGAGTCTTCC  
 CCATCAGGGACCAGAACCTCTTGGACCCAAAGGAAGAGAGCTTTAGAGACCCAGCAGAAGTTCTAGGT  
 GCTGGTGTGAAGTGGATTATCTGGAGCAATTTGGAACCTCCTCGTTCAAGGAGTCAAGCCTGGAGGAAGC  
 AGTCTTTGTAAGTGAATTTGACCCCTTCTGAAAGAGAGCCCTTTGCGGTCAATGCCAGTGCAGTGGC  
 CCCAGTGACAAAAGTACACAGGATACAGAGGAGTCTGGCTCCGGAATCCAACAGAAAGCAAGCTCGTC  
 GACTTAGATTTCTTGGGAGTCTGGATGTTCTGTGTGCGGCCACCCCTGTGTCTTGGAGCCTCGAG  
 GTCTCCTTCTGCGGAGCCTATTGTGGAGTGTGAAATACAGTCAAGAACCTGGATGCAGTGGTGTGAT  
 GCAGCAGGAGAAGCTTGGAGCTGAGAAACAAATATGAGGACCTCAACACGAAGTATCTGGAGATGGGAAGA  
 TCGTTGATGGATTTGAGAAAGATCGTGTATAAATCAATGGAGGAGGCTGAGAAACAGAAGGAACTAGCTG  
 AAGACAAAATTCAAAAGATTTTAAAGAGAGAGAGACCAACTTACTGCGGATCTGAAGTCTATGGAGAAGTC  
 CTTCTCTGACCTTCAAGCGGTTTGAAGCAGAAAGGAGTATTGAAGGCTACCAGAAGAATGAAGAT  
 TCACTGAAGAAGTGTGTTGAGGATTACATAGTGAAGATTGAAAAGAAGGCCAGAGGTACCAGGCGCTGA  
 AGGCCACGCAGAAAGAAAACCAAGATGGCAATGAAGAGATCGCCCAAGTGCAGAAAGGCCCAAGC  
 AGAGGCACTGGCTCTCCAGGCAAGCCTGAGGAAGGCACAGTTGCAGATCCAGTCACTGGAGAAGACTGTG  
 GAGCAGAAGACTAAAGAGAACGATGAAGTGAACAGGATCTGCGATGAAGTATTGCTAAGATGGAGAAGA  
 AGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR210114 representing NM\_001004424  
 Red=Cloning site Green=Tags(s)

MSLHILTDENVPNEKSSSRDFLFSAPELTGRSSVLRLSQKENVPPKNQAKAAKVTFTPLRDPQTHRIL  
 SPNMTSKLEAPFALDDSVGLQNDHCVFLQKENQLPVAPVDDVPVVMQAAEILKAEDELQEGILNSLSPSA  
 FTSFPDGELVTPPIEPMPEPSPQGPEPLLDSEPVTPPVKPVLEPTPQGPEPLLDSEPVTPPVKPVLEPTP  
 QGSEPLLDSEPVTLPEVPPESSHQGPPEPLLDSEPVTLPEVPPESSHQGPPEPLLDPEKESFRDPAEVLG  
 AGAEVDYLEQFGTSSFKESAWRQSLYLKFDPLLKESPLRSMVPVAPVTNSTQDTEESGSGNPTEAKLV  
 DLDFLGGLDVPPVSAPPLCVLEPRGLLPAEPIVDVLKYSQKDLDAVVMQENLELRNKYEDLNKYLEMGR  
 SLMDLRKIVYKSMEEAEKQKELAEDKIQLRERDQLTADLNSMEKSFSDLFRFEKQKEVIEGYQKNE  
 SLKKCVEDYIVKIGKEGQRYQALKAHAEKLMANEEIAQVRSKAQAEALALQASLRKAQLIQSLEKTV  
 EQKTKENDELNRICDELIAKMEKKI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

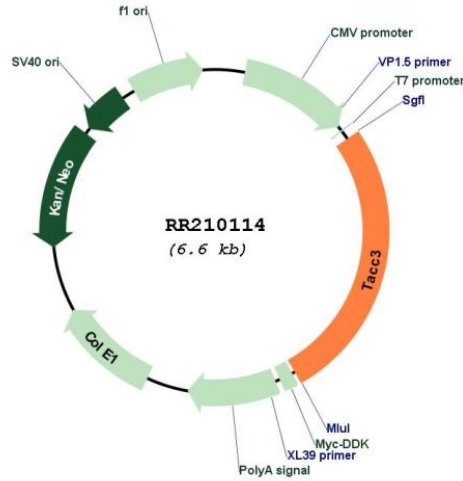
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001004424

<b>ORF Size:</b>	1755 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001004424.1</a> , <a href="#">NP_001004424.1</a>
<b>RefSeq Size:</b>	2042 bp
<b>RefSeq ORF:</b>	1758 bp
<b>Locus ID:</b>	360962
<b>Cytogenetics:</b>	14q21
<b>MW:</b>	65 kDa
<b>Gene Summary:</b>	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]