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Product datasheet for RR201768

Tacc1 (NM_001004107) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacc1 (NM_001004107) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tacc1
Synonyms:	Tacc1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR201768 representing NM_001004107
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTCAGTCCCTGGCAGATCCTGTCGCCCGTGCAGTGGGCCAAGTGGACGTGGTCCGCGGTGCGCG
GTTCGGGCGCGGGAGAGGACGAAGCTGGAGGTCCCGAAGGCGACCCCGAGGAGGAAGAGGACTCGCAAGC
CGAGACCAAATCCCTGAGTTTCAGCTCGGATTCTGAAGGTAATTTTGAGACTCCTGAAGCTGAAACTCCA
ATCAGATCGTCTCTCAAGGAGTCTTGTGATTCATCACTAGGATTGTCAGAACCCGAGGCCAAACCCCAAG
AATCACGAGAAGCCGATGAACAGCCGGTAGCAGAATTAATTGAAAAATGCTCGCCTGATGCGTGTTCTAG
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CTGCTGCTCATGGCTGTGTCCCTGTGCTCCCAGGCAAGGCCTTGCCTTCCACCACACCCGAAGCCACTCA
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CAGGAGTGCCCTTCCGAAGCAGCCTGGCAGGAAACCCAGCCACAAACTGGCACCCAATATACGAAAAGAT
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CGTCTCCCAAGTTAGACCCAAGTAAATGGGGTCGTCCTAACTTTAATTCCTTCGGGAGCTGCCCCATTTT
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TCCGGGGACCCCTGTAAGCCGGCGACAGCTTTGACAGGCAGCGGCTTTTGCTCTGCCACTGGTAATCATG
TTAATGAAATCTTAGACTCACCCAAGAAGGCACAGTCGCGTTTAATAACGAGTGGCTGCAAGGTGAAGAA
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GACATTCCTAATCGGGACGGGCACGCCACCGATGAGGAGAAGCTGGCGTCCACGTCGTGTAGTCAGAAGT
CAGCCGGGGCTGAAGTGAAAGGCGTAGAAAAGGAGGCATACCAGAAGATGGAGGAGGAGGAGCTGACTGT
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AGCCTTGAAAAAGTGTGCTCAGGATTACTTAGCCAGAGTGAAGCAGGAAGAGCAGCGCTACCAGGCCCTG
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TCAGCAGAAGAATCAAGAGATTGAAGAACTGACAAAAATCTGTGACGAGTTGATCGCAAAGCTTGGAAAG
GCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

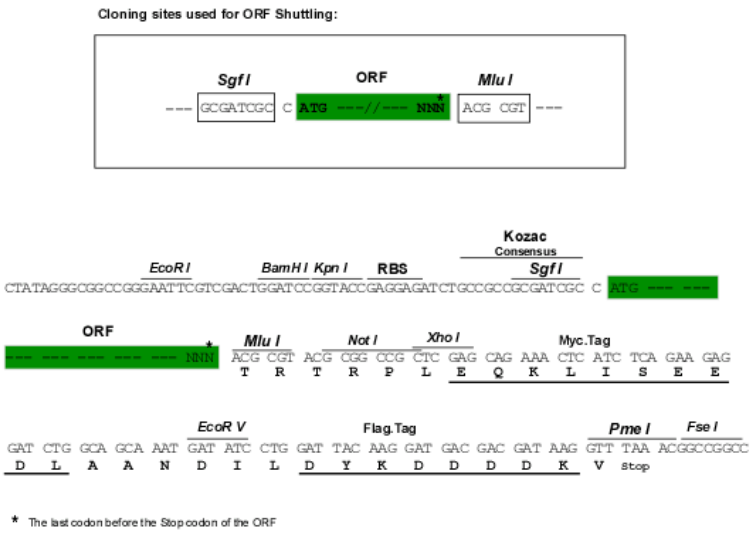
>RR201768 representing NM_001004107
Red=Cloning site Green=Tags(s)

MAFSPWQILSPVQWAKWTWSAVRGSGAGEDEAGGPEGDPEEEEDSQAETKSLSFSSDSEGNFETPEAETP
IRSSLKESCDSSLGLSEPEAKPQESREADEQPVAELIEKCSPDACSRSSGNEAPQATIDSYSVKDVRGKA
EHDVSKISVVRPFSIETRDCTDDPAAHGCVPVLPGKALPSTTPEATQDQPMMDRGMGVTLEAFTEVNLKT
GGPCPEPVPSRSRLRKPKPVSLRKKTAGDNTFEPEMLMEGSLLPKASSPWIPEESDKNSNPSLLRGLRAH
KSPLNLKEAASIHCNSAGDSGVDLQEGSRASPLKLDDFTEDGRSVETRSALPKQPGRKPSHKLAPNIRKD
GSSKPVGVEQLTDPTIEDASLAQTSPKLDPSKWGRPNFNSFGSCPILQSSPPVSSKGSYHLDPDNVNADE
SGDPCKPATALTGSGFCSATGNHVNEILDSPKKAQSRLITSGCKVKKYETQSLDLDACSQDEGAVISQIA
DIPNRDGHATDEEKLASTSCSQKSAGAEVKGVEKEAYQKMEEEELTVHGLLETSSEKAPVSVACGGESPL
DGICLSEADKTAVLTLIREEIITKEIEANEWKKKYEETREEVLEMRKIVAEYEKTIAQMIEDEQRTNMSS
QKSFQQLTMEKEQALADLNSVERSLSDLFRRYENLKGVLEGFKKNEEALKKCAQDYLARVKQEEQRYQAL
KVHAEEKLDRANEEIAQVRSKAKAESAALHAGLRREQMKVESLERALQQKNQEIEELTKICDELIAKLGK
AD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001004107
ORF Size:	2316 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001004107.3, NP_001004107.1

RefSeq Size: 7632 bp

RefSeq ORF: 2319 bp

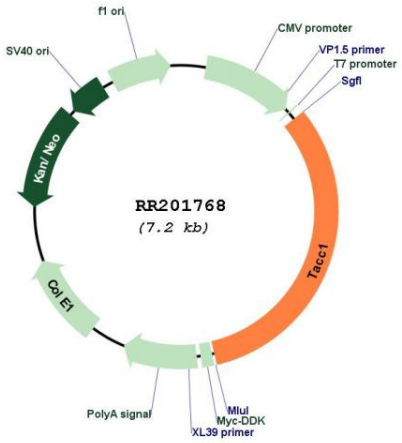
Locus ID: 306562

Cytogenetics: 16q12.4

MW: 84.3 kDa

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]

Product images:



Circular map for RR201768