

Product datasheet for MR221066

Tacc2 (NM_021314) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tacc2 (NM_021314) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Tacc2
 Synonyms: mKIAA4180
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >MR221066 representing NM_021314
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAGGGTCGCAGTCCCTGCAGCCAGCCCCAGCCAGTGACCTGAACCTGGAGGTTTCTGAGGCCATGA
 GTTCCGACTCTGAGGAAGCCTTTGAGACCCCCGAGTCAACGACCCTGTCAAAGCTCCACCAGCCCCCTCC
 CCCTCCACCCCTGAAGTCACCCAGAGCTGAGGTCATCGATCCACCAGCCCCAGAAGAACCAGGATGC
 ATTTCTGAGCCACCGTTGTGGTCCCGATGGCCCTCGCAGCAGCGAGTCCGTGGAAGGAAGCCCTTCC
 GTCCTTCCCACTCCTCCTCGGCGGTGTTTCGATGAAGACAAGCCGATAGCCAGCAGCGGGACTTAACTT
 AGACTTCGACAGCATCGAGCTGGTGGATAAATTCCAGAGCTTGGAGCCGTGCTCTGCCGACTCTAAGGGT
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 GTTCGCTTAGCCTACAAGCCAGTGACTTTGACGGTGTCTTTCGCCCGGCAGCCCTGAAGCTGGGACCCT
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 CCACCTTCTTGAAGAAGCAAGCCACCAAGAAACCCACAGAAACCCCAAGTGAAGGAGACCAAC
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 ACCTGTCTCTGACTTTGGAGAGTGAGAAAGACGTTAGCCCCCTGGTTTCTGGAGGTGGCAGAGTGACAG
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 AAGCTGGCAGTCACTAGCCAGAAGTGGACGTGTATGACGGTGGACTTGGATGCTGACAAAACAGGACTTCC
 CTCAGCCCTCGGACCTGTCTAACTTTGTAATGAGACCAAATCAATTACCCCTCAGAGGAGCTGGACTA
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 GCTGACCTGAACTCTGTGAAAAGTCTCTGGTGCCTTTCAGGAGATACGAAAAGATGAAGGAGGTCC
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 GCCCAGGTTCCGGCAAGGCCAGCAAGAGCAAGCAGCCTACCAGGCTAGCCTGCCGAAGGAGCAGCTTC
 GAGTGGATGCTCTGAAAAGAACGCTGGAGCAGAAGAATAAAGAGATAGAAGAAGTACCAAGATTTGTGA
 CGAGCTGATCGCAAGATGGGAAAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221066 representing NM_021314
 Red=Cloning site Green=Tags(s)

MGGSQSLQPAPASDLNLEVSEAMSSDSEEFETPESTTPVKAPPAPPPPPPEVTPPEVIDPPAPEEPGC
 ISEPPVVVPDGRSSESVESPFRRSHSSSAVFDKPIASSGTYNLDFDSIELVDFQSLPEPCASDSKG
 QECKVSTRRKSTESVPPSKSTLSRSLSLQASDFDASCPGSPGAGTLTTDAGTGSNSASSTLKRKTR
 PPSLKKKQATKKPTETPPVKETQQEPGEEVSPVSEHLAPETKTESATPEGAGCTLSDTPLESPAVPTA
 TCPLTLESAEDVSPLVSGGGRVQNSPPVGRKSVPLTTASEAVEVTLSDSGGQEDLPAKGLSVRLEFDYSE
 DKGSWESQENAPPTKIGKKPVAKMPLRRPKMKKTPEKLDNTPASPPRSPTPEPDTPIAKGTYTFDIDK
 WDDPNFNPFSSSKMQESPKLSQQSYNFDPDACEESLDPFKASSKTPSSPSKSPASFEIPASTTEADGDG
 LNKPAKKKKTPLKTMVEDVMSVCSLFDTRVKKSPKRSPLSDPPSQDPTPAATPEAPSAISTVVHATDEE
 KLAVTSQKWTCTVLDLADKQDFPQPSDLNDFVNETKFNPSPEELDYRNSYEIEYMEKLGSSLPQDDTP
 KKQALYLMFDTPQESPVKSPVVRMSDPTPCSGSSFEDEALVNAATKLQHPVARGLPSSQEPLLVPEK
 PSQKELEAMALGTPAEAEIETAPEGAFASADTLLSRLAHPASLGCALGYLEPDLAEKNPPVFAQKLQEEL
 EFVAVMIEALKLARQIALASRSRQDTKREAAHPPDVSISKALYSRIGSTVEVEKPPGLLFQPPDLDSALQ
 VARAEVIAKEREVSEWRDKYEESSRREVEMRKIVAEYEKTAQMIEDEQREKSIHQTVQQLVLEKEQAL
 ADLNSVEKSLADLFRYEKMKVELEGRKNEEVLKKAQEQYL SRVKKEEQRYQALKVHAEKLDRAAEI
 AQVRGKAQQEQAAAYQASLRKEQLRVDALERTLEQKNKEIEELTKICDELIAKMGKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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_021314.5 |
| RefSeq Size: | 3940 bp |
| RefSeq ORF: | 3111 bp |
| Locus ID: | 57752 |
| UniProt ID: | Q9JIG0 |
| Cytogenetics: | 7 F3 |
| MW: | 113.4 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. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] |