

Product datasheet for **MC223276**

Tacc2 (NM_021314) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tacc2 (NM_021314) 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: >MC223276 representing NM_021314
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGGTCGCAGTCCCTGCAGCCAGCCCCAGCCAGTGACCTGAACCTGGAGGTTTCTGAGGCCATGA
GTTCCGACTCTGAGGAAGCCTTTGAGACCCCCGAGTCAACGACCCTGTCAAAGCTCCACCAGCCCCCTCC
CCCTCCACCCCTGAAGTCACCCAGAGCTGAGGTCATCGATCCACCAGCCCCAGAAGAACCAGGATGC
ATTTCTGAGCCACCGTTGTGGTCCCGATGGCCCTCGCAGCAGCGAGTCCGTGGAAGGAAGCCCTTCC
GTCCTTCCCACTCCTCCTCGGCGGTGTTTCGATGAAGACAAGCCGATAGCCAGCAGCGGGACTTAACTT
AGACTTCGACAGCATCGAGCTGGTGGATAAATTCCAGAGCTTGGAGCCGTGCTCTGCCGACTCTAAGGGT
CAGGAGTGAAGGTGAGCACGGGAGGAAATCCACCGAGTCCGTGCCACCCTCCAAGTCCACGCTGTCCC
GTTTCGTTAGCCTACAAGCCAGTGACTTTGACGGTGTCTTTCGCCCGGCAGCCCTGAAGCTGGGACCC
TACCACAGATGCATGTGGCACAGGATCCAACAGTGCTTCCAGCACCCCTTAAGCGAACTAAAAAACCGG
CCACCTTCTTGAAGAAGCAAGCCACCAAGAAACCCACAGAAACCCCAAGTGAAGGAGACCCAAC
AGGAACCAGGTGAAGAGAGTCCAGTCCCAAGTGAAGAACACTTAGCACCAGAGACAAGAGCGGATCGGC
CACACCTGAGGGCGCTGGTTGCACCTTGTGACAGGATACACCCCTGGAGTCCCTGTCTCCACAGCC
ACCTGTCTCTGACTTTGGAGAGTGACAGAACGTTAGCCCCCTGGTTTCTGGAGGTGGCAGAGTGACAG
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AATCGTACAACCTTGGACCTGACGCTGTGAAGAGTCCCTTGACCCCTTAAGGCATCCTTAAGACCCC
CAGCTCACCTTCTAAGTCCCAGCTCTTTGAGATCCCAGCCAGCACCAGGAAGCGGATGGGGATGGG
TTGAATAAACCTGCCAAGAAGAAGAAGACTCCACTAAAGACGATGGTTGAAGATGTGATGTCTGTGTGT



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CTCTGTTTGACACGTTTAGGGTGAAGAAGTCTCCAAAGCGGTCTCCTCTGTCTGACCCGCTTCTCAGGA
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AAGCTGGCAGTCACTAGCCAGAAGTGGACGTGTATGACGGTGGACTTGGATGCTGACAAAACAGGACTTCC
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AAAGCTCCAGCATCCAGTCGCAAGAGGTCTGCCCTCCAGTCAGGAGCCTCTCTTGCAAGGTGCCTGAGAAG
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AGGACACCAAGAGGGAAGCTGCTCACCCACCAGATGTCTCCATCTCCAAAAGTGCCTTGTACTCCCGCAT
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GTTGCCAGAGCAGAGGTATCGCCAAGGAGAGAGAAGTCTCAGAGTGGAGGGATAAATATGAAGAAAGCC
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CGAACAGAGAGAAAAATCCATCTCCACCAAAGTGTACAGCAGCTGGTCTTGAGAAGGAGCAAGCCCTG
GCTGACCTGAACTCTGTGAAAAGTCTCTGGTGACCTTTCAGGAGATACGAAAAGATGAAGGAGGTCC
TGGAAAGTTTTCGAAAAGTGAAGAGGTGTTGAAGAAATGTGCGCAGGAGTACCTATCCCGAGTGAAGAA
AGAGGAACAGAGGTACCAGGCCCTGAAGGTGCACGCCGAAGAGAAAAGTGGACAGAGCCAATGCAGAGATT
GCCAGGTTCCGGCAAGGCCAGCAAGAGCAAGCAGCCTACCAGGCTAGCCTGCCGAAGGAGCAGCTTC
GAGTGGATGCTCTGAAAAGAACGCTGGAGCAGAAGAATAAAGAGATAGAAGAAGTACCAAGATTTGTGA
CGAGCTGATCGCCAAGATGGGAAAAGCTAA
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ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_021314
Insert Size:	3111 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:	<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_021314.4 , NP_067289.2
RefSeq Size:	3940 bp
RefSeq ORF:	3111 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 (2) represents use of an alternate promoter and therefore differs in the 5' UTR and 5' coding region compared to variant 3. These differences cause translation initiation at a downstream start codon and result in an isoform (b) with a shorter N-terminus compared to isoform c.