

## Product datasheet for **MC204978**

### Tra2b (NM\_009186) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tra2b (NM_009186) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tra2b
Synonyms:	5730405G21Rik; D16Ertd266e; Sfrs10; SIG-41; Silg41; TRA2beta
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC061177  
 AGACCGGTGCGGAGGTGGTGC GGAGCGTGTGCGCTTCGAGCTCCTCGCAAAAGTGTGGCGTCGCGCTAGG  
 CTGCGGCGGAGCCTCTGTAAGGAAGGCGGGAGCTTGACAGCTTCAGGAAAGGCCCGTAGCGGTGACAGCG  
 ACCCGGAGTCATGAGCGACAGCGCGGAGCAGAAGTACGGCGAGCGGGAATCCCCTTCTGCTTCCCAGAGT  
 GGAAGTGTCTACGGATCGGGGAAATCTGCACGGCATACACCTGCAAGGTCTGCTCCAAGGAAGACTCAA  
 GGCGTTCTAGATCAAAGTCCAGGTCCAGGTCTGAATCTAGGTCTAGATCCAGAAGAAGTTCTAGAAGGCA  
 TTATACAAGGTACGATCAGATCTGCTCGCATAGACGATCCCGGAGCAGGTCTTACAGCCGAGATTAT  
 CGCAGGCCGCACAGCCACAGCCATTCTCCCATGTCTACTCGAAGGCGTCA TGTTGGGAACCGGGCAAATC  
 CTGACCCCAACTGTTGTCTTGGCGTGTTGGGTTGAGCTTATACACCACAGAAAGAGACCTAAGAGAAGT  
 GTTCTCTAAATATGGCCCATTTGCTGATGTGTCTATTGTATATGACCAGCAATCTAGACGTTCAAGAGGA  
 TTTGCCTTTGTATATTTTAAAAATGTAGACGATGCCAAGGAAGCTAAAGAACGTGCCAATGGAATGGAGC  
 TTGATGGGCGTCGAATTAGAGTCGATTTCTCTATAACAAAAAGGCCCATACCCCAACACCAGGAATTTA  
 TATGGGGAGACCCACTTATGGCAGTTCTGCGCCCGGAGACTATTATGACAGAGGGTACGATCGGGGTTAT  
 GATGACCGGGACTATTACAGCAGATCATACAGAGGAGGAGGTGGTGGAGGAGGTGGATGGAGAGCAGCTC  
 AAGACAGGGATCAGATTTACAGAAGACGGTCACCTTCTCCTTACTACAGTCGTGGAGGATACAGGTCAGG  
 TTCTCGATCACGATCCTACTCACCTCGTCGCTACTAAAGCATGAAGTTGAAGACTTTCTGAAACCTGCCA  
 TAGAGCTGGGATATTGTTTGTGGACAATATTTTCTATTGTCTCCTGTTTAAAAAGTGAACAGTGCCTAGT  
 GAAGTTAGGTGACTTTTACACCTTTTATGATGACTACTTTTGGTGGAGTTGAAATGCTGTTTTCTATTCTG  
 CTTTTGTGTAGTTCGGTGCTTTGTTCAAAGTAAAGTGTTTTCCAGAAAAGTATGTTTTGCATGATTTTTT  
 TACAGTCCAAATTTTACTGCTGAGAAGTTTCTATTGTAAAAAATTCATTTAAAAGTTTTTCTACTGA  
 ATCCAGGTATTCTGAAGATCGAAGCCTGTGTGTAAAAATGCTACCAGATGGCAAAAAGCAACAATAACA  
 AGTTTTGATTTTTACTTTTCTTTCTAAATATCAATGCTTAAACCAGAACCATTCTTAAAGTTATCAGTAAAA  
 AGTAAAAAGTTAAATAAATGCTTTTCAGGAGTCCATGAAACTTGCCATATTCAATATACCTGCGATTAAG  
 TGTTAAAAAATACGCTGTAACCTGTACTGTAGTATTAGAACAACAACTTTCCCATACAGCAAAATGCTT  
 AATGCTTACATTAAATGTGGATGTGTCGGCCTTTATGTAATCTGTATTATATATAGCAGGGAATAAGAGCT  
 ACAGATACATGCCTTTAAAGGGCTGTTTCTTAAAGGCTGTACAAGGAGATAATGGTATTTCAACTAATTA  
 TCAGCAAGTGACAATACATTCCACCACAGATGGACTCTTGTCTTCTAGCGTTTACTATATGAAAATA  
 CTGGGTGCTTCAAAGTATGGAAGGAGCGAAGGGATCATCAAACCTTGTGATGGATGAAGACTGCCTGTTC  
 ATTTTTTAAATATGATTTTCAGGTCCTTTGCTTACCAAAGGAGGCCCAATCACTCAAATGTTTTGAGAA  
 CTGTTTAAATAAAGGCAAGAAAAATTGCTGATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Sfil-Sfil

**ACCN:** NM\_009186

**Insert Size:** 867 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: [BC061177](#), [AAH61177](#)

RefSeq Size: 2022 bp

RefSeq ORF: 867 bp

Locus ID: 20462

UniProt ID: [P62996](#)

Cytogenetics: 16 13.18 cM

**Gene Summary:** Sequence-specific RNA-binding protein which participates in the control of pre-mRNA splicing. Can either activate or suppress exon inclusion. Acts additively with RBMX to promote exon 7 inclusion of the survival motor neuron SMN2. Activates the splicing of MAPT/Tau exon 10. Alters pre-mRNA splicing patterns by antagonizing the effects of splicing regulators, like RBMX. Binds to the AG-rich SE2 domain in the SMN exon 7 RNA. Binds to pre-mRNA (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.