

## Product datasheet for **MC217926**

### **Tnrc4 (BC057553) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tnrc4 (BC057553) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnrc4
Synonyms:	Celf3, CAGH4, ERDA4, BRUNOL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC057553  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAGGAGCCAGATGCCATCAAGCTGTTGTGGGGCAGATCCCAGGCATCTGGAGAAAAGGACCTGA  
AGCCCATCTTCGAGCAGTTTGGTCGGATCTTCGAGCTGACTGTCATCAAGGACAAGTACACCGGGCTGCA  
CAAGGGATGTGCTTTCCTGACGTAAGTGTCTCGGATTACGCCCTGAAGGCCAGAGTGCCTGCACGAA  
CAGAAGACTCTCCAGGGATGAACAGGCCGATCCAGGTCAAGCCAGCCGACAGCGAGAGTGCAGGAGAAG  
ACCGGAAGCTCTTTGTGGGCATGCTAGGAAAGCAGCAGACAGATGAGGATGTCCGGAAGATGTTTGAACC  
ATTTGGGACTATAGACGAGTGCCTGTCTCGGGGGCCAGACGGTACCAGCAAAGGCTGTGCCTTTGTG  
AAGTTCAGACTCAGCTGAGGCCAGGCATCAACACCCTTACAGCAGCCGACCCTACCGGGT  
CCTCATCCAGCCTGGTGGTAAAGTTTGTGACACGGAGAAGGAGCGAGGTCTCCGTGAATGCAGCAGGT  
GGCTACCCAGCTGGGCATGTTCCAGCCGATCGCCCTCCAGTTTGGAGCCTACAGCGCCTACACCCAGGCC  
CTGATGCAGCAGCAGGCCGCCCTGGTAGCAGCTCACAGTGCCTACCTCAGCCCTATGGCCACCATGGCTG  
CCGTGCAGATGCAGCACATGGCTGCCATCAGTGCCAATGGCCTCATCGCCACCCCATCACTCCATCCTC  
AGGAACAGCACCCTCCTGCCATTGCTGCCACGCCCTCTGCCATCCCTGCTGCCTTGGGCGTCAAC  
GGCTACAGCCCGTGCCACCCAGCCTACAGGGCAGCCTGCCCGGATGCTCTGTATCCCAACGGGGTTC  
ACCCTTACCAGATGAGGCTCTGTCTGTGAGAGAAGTGTGGCGGGTTCCTAATGTCCAGGCCCA  
CTCATGGCTTGTGATGCTCTCTGAGCCAGAGCCCGCAGCCCGGACCCTCTCCAGCAGGCCTAT  
GCAGGAATGCAGCACTACACAGCAGCGTACCCCGCAGCCTACAGCCTGGTTGCACCTGCGTTCCCGCAGC  
CTCCAGCCCTGGTTGCCAGCAGCCCCACCACCTCAGCAACAGCAGCAGCAGCAGCAACA  
GCAACAGCAGCAGCAACGGGAAGGCCCTGATGGCTGCAACATCTTCATCTACCACCTGCCCGAGGATTC  
ACAGACTCAGAGATCCTCCAGATGTTTGTCCCTTTTGGTCATGTCATCTCAGCCAAAGTCTTTGTTGACC  
GGGCCACCAATCAGAGCAATGTTTGGCTTTGTGAGTTTCGACAATCCGGCCAGTGCCAGGCTGCCAT  
CCAGGCTATGAACGGTTTCCAGATTGGCATGAAGCGCCTCAAAGTCCAGCTAAAGCGGCCTAAGGATGCA  
AACAGGCCCTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC057553

Insert Size: 1485 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:** [BC057553](#), [AAH57553](#)

**RefSeq Size:** 3192 bp

**RefSeq ORF:** 1484 bp

**Locus ID:** 78784

**Cytogenetics:** 3 F2.1

**Gene Summary:** RNA-binding protein involved in the regulation of pre-mRNA alternative splicing. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Activates the splicing of MAPT/Tau exon 10. Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA (By similarity).  
[UniProtKB/Swiss-Prot Function]