

## Product datasheet for **MC217390**

### Trabd2b (NM\_001085549) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trabd2b (NM_001085549) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trabd2b
Synonyms:	Gm12824; Hkat; OTTMUSG00000008561
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217390 representing NM\_001085549  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACACGCCGCCCTGGCGGGCCGCTGCTAGCCGCCCTCCTTGCCACGCCCGCCGCTCCGCAACCCC  
 CCGACGGAGGACAGTGCCGGCCGCTGGATCGCAGAGGGACCTGAACTCCTTCTGTGGACTATTCGGCG  
 CCATCCTCCAGCCTACTTGTGGCACCATCCAGTTCCTATACCCGAGTCTGGGACTTCATCCCTGAT  
 AATTCCAAAGCAGCCTTCCAGGCCAGCACTCACGTCTACTTTGAGTTGGATCTGACAGATCCCTATACCA  
 TCTCAGCCCTGGCCAGTTGCCAGCTGCTGCCCCATGGGGAGAACCCTGCAGGACGTGCTGCCAAGGGAGCT  
 CACTGGCGCCTGAAGCGCCACCTGGACTATGTGAAGCTGATGATCCCCTCTGGATGACGCCAGCACAG  
 CGCGGCAAGGGGCTGTATGCTGACTACCTGTTCAATGCCATTGCTGGTAACTGGGAGCGCAAGAGGCCCG  
 TGTGGGTGATGCTCATGGTGAACCTCCCTCACGGAGACAGATGTGCGCTCCCGAGGTGTGCCTGTGCTGGA  
 CCTCTACCTGGCCAGCAGGCTGAGAAGATGAAGAAGAGCACAGGGGCTGTGGAGCGGGTTGAGGAGCAG  
 TGCCATCCTCTCAATGGGCTCAACTTCTCCCAGGTGTTGTTGGCCCTGAACCAGACTCTGCTGCAGCAGG  
 AAAGTGTGCGGGCTGGGAGCCTGCAGGCCACCTACACCACAGAGGACCTCATCAAACACTACAACCTGCGG  
 GGACCTCAATGCTGTATCTTCAACCATGACACATCCCAGCTACCCAACCTTCATCAACACCACCTCCCA  
 CCTCATGAGCAGGTGACAGCCCAGGAAATCGACAGCTACTTCCGGCAGGAGCTCATCTACAAGAGGAATG  
 AGCGCATGGGAAAGAGGGTTCATGGCGTCTGCAGGAAAACCAGGACAAGATCTGCTTCTTTGCCTTCGG  
 AGCAGGTCACTTCTGGGGAACAACACTGTCATCGATGTCCTAAGACAGGCAGGGCTGGAGGTGGACCAC  
 ACACCTGCTGGCAAGCCATCCACGGTCTGCTGCTGTTGGAAGCCAGCTCCCCCTCTGAGTACCT  
 CTCCTGCCAGCCAGCTCCAGCAACCCAGCCGCTGCAGTCCCAGAAGCAACCTCAGCAGCCACCCACCCAC  
 CCCTCTGAGGAGGAAGACCAGTCTGTCCCCACACTCTTGCTCCCGACAGCCTAAGCCAGCTAGAG  
 GAGTTCGGAAGGCAGAAGTGGCGAAAGAGACTAAATAAACATCAGCGGCCAAGGCAGTTCATGACCTCT  
 GGGTCCGAATCGAGGACAGCACTACGATCTCGCCACCTCCGCTGCCCTGCAGCCTACCCCCAGCTCCGA  
 AACCCAAAGCCCTTTGTCAAGTCTCACACCACTCCAGCAGCAGGACGCTGTGGGGCCTACCAGCAGC  
 TCAGCGCTACACTGGGCTCCTCCATGCCATCACTGCCTCCATTGTAGCCCCCTTCTACTACACAGCC  
 TTGGGCCCTTCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001085549

**Insert Size:** 1554 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:** [NM\\_001085549.1](#), [NP\\_001079018.1](#)

**RefSeq Size:** 6617 bp

**RefSeq ORF:** 1554 bp

**Locus ID:** 666048

**UniProt ID:** [B1ATG9](#)

**Cytogenetics:** 4

**Gene Summary:** Metalloprotease that acts as a negative regulator of the Wnt signaling pathway by mediating the cleavage of the 8 N-terminal residues of a subset of Wnt proteins. Following cleavage, Wnt proteins become oxidized and form large disulfide-bond oligomers, leading to their inactivation. Able to cleave WNT3A, WNT5, but not WNT11. Required for head formation (By similarity).[UniProtKB/Swiss-Prot Function]