

Product datasheet for **RC231288**

TRABD2B (NM_001194986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRABD2B (NM_001194986) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRABD2B
Synonyms:	TIK12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC231288 representing NM_001194986
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACGCCGCCCTGGCGGGCCGCTGCTCGCCGCCCTCCTCGCCACCGCTCGCGCCGCCCGCAGCCCC
 CGGACGGAGGACAGTGCCGGCCGCCGGATCGCAGAGGGACTTGAACCTTCTGTGGACGATTGGCG
 TGATCCTCCGGCTACCTGTTTGGCACTATTACGTCCCCACACCCGCTTGGGACTTCATCCCGGAC
 AACTCCAAGGCAGCCTTCCAGGCTAGCACCCGTGTCTACTTTGAGCTGGACCTACAGACCCCTACACCA
 TCTCGGCCCTGGCCAGCTGCCAGCTGCTGCCGCACGGGAAAACCTGCAGGACGTGCTGCCCCACGAGCT
 TTAAGCGCCACCTGGACTACGTGAAGTTGATGATGCCCTCCTGGATGACGCCCGCTCAG
 CGGGGCAAGGGGCTCTATGCTGACTACCTATTCAATGCCATCGCGGGCAACTGGGAGCGCAAGAGGCCCG
 TCTGGGTGATGCTCATGGTAACTCGCTCACAGAGAGGGACGTGCGCTTCCGTGGTGTGCCCGTCTCGA
 CCTCTACTGGCCAGCAGGCTGAGAAGATGAAGAAGACCACAGGGGCTGTGGAGCAGGTGGAGGAGCAG
 TGCATCCCTCAACAACGGGCTCAACTTCTCCAGGTGCTGTTGCCCTGAACCAACCCCTGCTGCAGC
 AGGAGAGTGTGGCGGCCGGGAGCCTGCAGGCCTCTACACCACGGAGGACCTCATCAAGCACTACAACCTG
 CGGAGACCTCAGCGCAGTCATCTTCAACCACGACACATCCAGCTGCCCAACTTTATCAACACCACCTC
 CCGCCACACGAGCAGGTGACGGCCAGGAGATTGACAGCTACTTCCGCCAGGAGCTCATCTACAAGAGGA
 ATGAGCGCATGGGAAGAGGGTCTACGGCGCTTCTACGGGAGAACGAGGACAAGATCTGCTTCTTTGCCTT
 CGGAGCAGGTCACTTTCTGGGAACAACACAGTCATCGACATCCTGCGGCAGGACGGGCTGGAGGTGGAC
 CACACACCCCGCCGAGGCCATACACAGCCCTGCCCCCAGAGCCAGCGCCCTCTCCTGAGGGACCT
 CGACGAGCCCGCCAGTGAACCCAGTGCCTGTCCCGAAGCACCTCTGTGACCCCAACCCGCCCC
 ACCAGAGGATGAGGATCCAGCCCTGTCCACACCTCTGCTCCCGACAGCCTCAGCCAGCTGGAGGAG
 TTTGGCCGGCAGAGGAAGTGGCAACAAGAGGCAGAGCACACACCAGCGCCGCGGAGTTCATGACCTCT
 GGGTCCGCATCGAGGACAGCACCACCGCTCACCACCCCGCTGCCCTGCAGCCACCCACAGCTCGGG
 GACCGCAAGCCCCCTTCCAGCTTTCAGACCAGCTACAACAGCAGGACCCGCCAGGGCCCGCCAGCAGC
 TCGGCACCCACCTGGGCCTTCTCCCGCCATCGCCACCACCATCGTGTCTGCTTCTGCTGCATAGCC
 TTGGGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231288 representing NM_001194986
 Red=Cloning site Green=Tags(s)

MHAALAGPLLAALLATARARPPDGGQCRPPGSQRDLNSFLWTIRRDPPAYLFGTIHVPYTRVWDFIPD
 NSKAAFQASTRVYFELDLTPYTIASALASCQLLPHGENLQDVLPHELYWRLKRHLDYVKLMMPSWMPAQ
 RGKGLYADYLFNAIAGNWERKRPVWMLMVNSLTERDVRFRGVPVLDLYLAQQAEMKKTGAVEQVEEQ
 CHPLNNGLNFSQVLFALNQTLQEQESVRAGSLQASYTTEDLIKHYNCGDL SAVIFNHDTSQLPNFINTTL
 PPHEQVTAQEIDSYFRQELIYKRNERMGRVMALLRENEDKICFFAFGAGHFLGNNTVIDILRQAGLEVD
 HTPAGQAIHSPAPQSPAPSPEGTSTSPAPVTPAAAVPEAPSVTPTAPPEDEDPALSPHLLLPDSLSQLEE
 FGRQRKWHKRQSTHQPRQFNDLWVRIEDSTTASPPPLPLQPTHSSGTAKPPFQLSDQLQQDPPGPASS
 SAPTLGLLPAIATTIAVCFLLHSLGPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1426_e02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001194986

ORF Size: 1551 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_001194986.2](#)

RefSeq ORF: 1554 bp

Locus ID: 388630

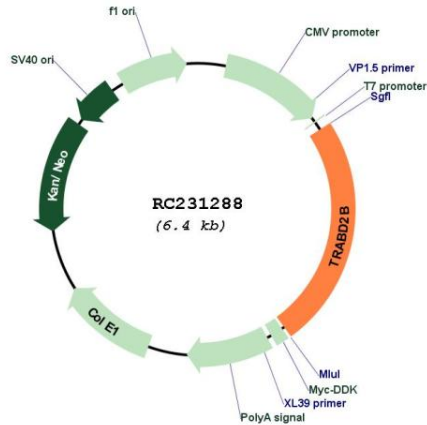
UniProt ID: [A6NFA1](#)

Cytogenetics: 1p33

MW: 57.9 kDa

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. [UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC231288