

Product datasheet for **RG231288**

TRABD2B (NM_001194986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRABD2B (NM_001194986) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRABD2B
Synonyms:	TIK12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231288 representing NM_001194986
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACGCCGCCCTGGCGGGCCGCTGCTCGCCGCCCTCCTGCCACCGCTCGCGCCGCCCGCAGCCCC
 CGGACGGAGGACAGTCCCGGCCCGGATCGCAGAGGGACTTGAACCTTCTGTGGACGATTGGCG
 TGATCCTCCGGCTACCTGTTTGGCACTATTACGTCCCTACACCCGCTCTGGGACTTCATCCCGGAC
 AACTCCAAGGCAGCCTTCCAGGCTAGCACCCGTGTCTACTTTGAGCTGGACCTACAGACCCCTACACCA
 TCTCGGCCCTGGCCAGCTGCCAGCTGCTGCCGCACGGGAAAACCTGCAGGACGTGCTGCCCCACGAGCT
 TTAAGCGCTTGAAGCGCCACCTGGACTACGTGAAGTTGATGATGCCCTCCTGGATGACGCCCGCTCAG
 CGGGGCAAGGGGCTCTATGCTGACTACCTATTCAATGCCATCGCGGGCAACTGGGAGCGCAAGAGGCCCG
 TCTGGGTGATGCTCATGGTAAACTCGCTCACAGAGAGGGACGTGCGCTTCCGTGGTGTGCCCGTGTCTGA
 CCTCTACTGGCCAGCAGGCTGAGAAGATGAAGAAGACCACAGGGGCTGTGGAGCAGGTGGAGGAGCAG
 TGCATCCCTCAACAACGGGCTCAACTTCTCCAGGTGCTGTTGCCCTGAACCAACCCCTGCTGCAGC
 AGGAGAGTGTGGCGGCCGGGAGCCTGCAGGCCTCTACACCACGGAGGACCTCATCAAGCACTACAACCTG
 CGGAGACCTCAGCGCAGTCATCTTCAACCACGACACATCCAGCTGCCCAACTTTATCAACACCACCTC
 CCGCCACACGAGCAGGTGACGGCCAGGAGATTGACAGCTACTTCCGCCAGGAGCTCATCTACAAGAGGA
 ATGAGCGCATGGGAAGAGGGTTCATGGCGCTTCTACGGGAGAACGAGGACAAGATCTGCTTCTTTGCCTT
 CGGAGCAGGTCACTTTCTGGGAAACAACACAGTCATCGACATCCTGCGGCAGGACAGGCTGGAGGTGGAC
 CACACACCCCGCCGAGGCCATACACAGCCCTGCCCCCAGAGCCAGCGCCCTCTCTGAGGGGACCT
 CGACAGCCCGGCCAGTGAACCCAGTGCCTGTCCCGAAGCACCTCTGTGACCCCAACCCCGCCCGCC
 ACCAGAGGATGAGGATCCAGCCCTGTCCACACCTCTGCTCCCGACAGCCTCAGCCAGCTGGAGGAG
 TTTGGCCGGCAGAGGAAGTGGCACAAGAGGCAGAGCACACACCAGCGGCCGCGGAGTTCATGACCTCT
 GGGTCCGCATCGAGGACAGCACCACCGCTCACCACCCCGCTGCCCTGCAGCCACCCACAGCTCGGG
 GACCGCAAGCCCTTCCAGCTTTCAGACCAGCTACAACAGCAGGACCCGCCAGGGCCCGCCAGCAGC
 TCGGCACCCACCTGGGCCTTCTCCCGCCATCGCCACCACCATCGTGTCTGCTTCTGCTGCATAGCC
 TTGGGCCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231288 representing NM_001194986
 Red=Cloning site Green=Tags(s)

MHAALAGPLLAALLATARARPPDGGQCRPPGSQRDLNSFLWTIRRDPPAYLFGTIHVPYTRVWDFIPD
 NSKAAFQASTRVYFELDLTDPYITISALASCQLLPHGENLQDVLPHELYWRLKRHLDYVKLMMPSWMTPAQ
 RGKGLYADYLFNAIAGNWERKRPVWMLMVNSLTERDVRFRGVPVLDLYLAQQAEMKKTGAVEQVEEQ
 CHPLNGLNFSQVLFALNQTLQESVRAGSLQASYTTEDLIKHYNCGLSAVIFNHDTSQLPNFINTTL
 PPHEQVTAQEIDSYFRQELIYKRNERMGRVMALLRENEDKICFFAFGAGHFLGNNTVIDILRQAGLEVD
 HTPAGQAIHSPAPQSPAPSPEGTSTSPAPVTPAAAVPEAPSVTPTAPPEDEDPALSPHLLLPDSLSQLEE
 FGRQRKWHKRQSTHQRPRQFNDLWVRIEDSTTASPPPLPLQPTHSSGTAKPPFQLSDQLQQDPPGPASS
 SAPTLGLLPAIATTIAVCFLLHSLGPS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<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_001194986.2
RefSeq Size:	7029 bp
RefSeq ORF:	1554 bp
Locus ID:	388630
UniProt ID:	A6NFA1
Cytogenetics:	1p33
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]