

Product datasheet for **MG225412**

Trabd2b (NM_001085549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trabd2b (NM_001085549) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trabd2b
Synonyms:	Gm12824; Hkat; OTTMUSG00000008561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225412 representing NM_001085549
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACGCCGCCCTGGCGGGCCGCTGCTAGCCGCCCTCCTTGCCACCGCCCGCCCGTCCGCAACCCC
 CCGACGGAGGACAGTCCCGGCCGCTGGATCGCAGAGGGACCTGAACTCCTTCTGTGGACTATTCGGCG
 CCATCCTCCAGCCTACTTGTGGTGGCACCATCCAGTTCCTTATACCCGAGTCTGGGACTTCATCCCTGAT
 AATTCCAAAGCAGCCTTCCAGGCCAGCACTCACGTCTACTTTGAGTTGGATCTGACAGATCCCTATACCA
 TCTCAGCCCTGGCCAGTTGCCAGCTGCTGCCCCATGGGGAGAACCCTGCAGGACGTGCTGCCAAGGGAGCT
 CACTGGCGCCTGAAGCGCCACCTGGACTATGTGAAGCTGATGATCCCCTCCTGGATGACGCCAGCACAG
 CGCGGCAAGGGGCTGTATGCTGACTACCTGTTCAATGCCATTGCTGGTAACTGGGAGCGCAAGAGGCCCG
 TGTGGGTGATGCTCATGGTGAATCCCTCACGGAGACAGATGTGCGCTCCCGAGGTGTGCCTGTGCTGGA
 CCTCTACTGGCCAGCAGGCTGAGAAGATGAAGAAGAGCACAGGGGCTGTGGAGCGGGTTGAGGAGCAG
 TGCCATCCTCTCAATGGGCTCAACTTCTCCAGGTGTTGTTTGCCTGAACCAGACTCTGCTGCAGCAGC
 AAAGTGTGCGGGCTGGGAGCCTGCAGGCACCTACACCACAGAGGACCTCATCAAACTACAACCTGCGG
 GGACCTCAATGCTGTATCTTCAACCATGACACATCCCAGCTACCCAACCTTCATCAACACCACCTCCCA
 CCTCATGAGCAGGTGACAGCCCAGGAAATCGACAGCTACTTCCGGCAGGAGCTCATCTACAAGAGGAATG
 AGCGCATGGGAAAGAGGGTATGGCGCTGCTGCAGGAAAACCAGGACAAGATCTGCTTCTTTGCCTTCGG
 AGCAGGTCACTTTCTGGGAAACAACACTGTCATCGATGTCCTAAGACAGGCAGGGCTGGAGGTGGACCAC
 ACACCTGTGGCAAGCCATCCACGGTCTGCTGCTGTTGGAAGCCAGCTCCCCCTCCTGAGATCACCT
 CTCTGCCAGCCAGCTCCAGCAACCCAGCCGCTGCAGTCCAGAAGCAACCTCAGCAGCCACCCACCCAC
 CCCTCCTGAGGAGGAAGACCCAGTCTGTCCACACCTCTTGTCTCCCGACAGCCTAAGCCAGCTAGAG
 GAGTTCGGAAGGCAGAAGTGGCGAAAGAGACTAAATAAACATCAGCGGCCAAGGCAGTTCATGACCTCT
 GGGTCCGAATCGAGGACAGCACTACGATCTCGCCACCTCCGCTGCCCTGCAGCCTACCCCCAGCTCCGA
 AACCCAAAGCCCTTTGTCAAGTCTCACACCACTCCAGCAGCAGGACGCTGTGGGGCCTACCAGCAGC
 TCAGCGCTACTGGGCTCCTCCATGCCATCACTGCCTCCATTGTAGCCCCCTTCTACTACACAGCC
 TTGGGCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225412 representing NM_001085549
 Red=Cloning site Green=Tags(s)

MHAALAGPLLAALLATARARPPDGGQCRPPGSQRDLNSFLWTIRRHPPAYLFGTIHVPYTRVWDFIPD
 NSKAAFQASTHVYFELDLDPYITISALASCQLLPHGENLQDVLPRELYWRLKRHLDYVKLMIPSWMTPAQ
 RGKGLYADYLFNAIAGNWERKRPVWMLMVNSLTETDVRSRGVPVLDLYLAQQAEMKKSTGAVERVEEQ
 CHPLNGLNFSQVLFALNQTLQHESVRAGSLQAPYTTEDLIKHYNCGLNAVIFNHDTSQLPNFINTTLP
 PHEQVTAQEIDSYFRQELIYKRNERMGKRVMLLQENQDKICFFAFGAGHFLGNNTVIDVLRQAGLEVDPH
 TPAGQAIHGPAAVGSPAPPPEITSPASPAPATPAAAVPEATSATPTTPPEEEDPVLSPHLLLPSLSQLE
 EFGKQWRKRLNKHQRPRQFNDLWVRIEDSTTISPPPLPLQPTPSSETTKPFVKSSHQLQQQDAVGPTSS
 SAPTLGILLHAITASIVAPFLLHSLGPS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001085549

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_001085549.1](#), [NP_001079018.1](#)

RefSeq Size: 6617 bp

RefSeq ORF: 1554 bp

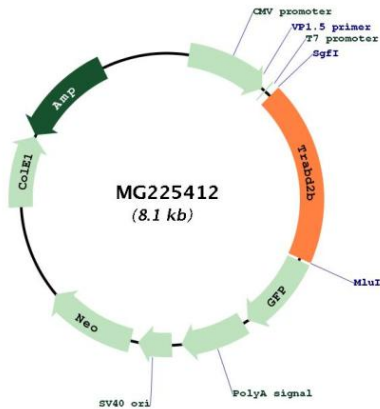
Locus ID: 666048

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]

Product images:


Circular map for MG225412