

Product datasheet for **RG212169**

TBC1D2B (NM_015079) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D2B (NM_015079) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBC1D2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212169 representing NM_015079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGGGCCGGAGCCGGGGCGGAGGAGGGCGCGCGCGCGGAGGGCGCGCGCAGGGGGCGGCCG
 CGGAGCCCGGGCGGGTCCGGCGCGGGAGCCAGCGCGGCTGTGTGGCTATCTGCAGAAGCTGTCGGGCAA
 GGGCCCCCTGCGTGGCTACCGCAGCCGCTGTTCTGTTCGACGCGCGCCGCTGTACTCTTACTATTTT
 AAGAGTCCCGAGGACGCGCTGCCCTCGGCCACTTGGACATCGCGGACGCCTGCTTCAGCTACCAGGGCC
 CCGACGAGGGCGGAGCCGGGCACGGAGCCGCCCGCGCACTTCCAGGTGCACAGCGGGAGCCGTCAC
 GGTGCTCAAGGCTCCCAATCGTCAACTCATGACTACTGGTTACAGGAGCTTCAGCAGAAGAGATGGGAA
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 GTCTTGTAGCCAGAGATAACACTGATTTAATTTACCCACACCCAAATGCTTCTGCAGAAAAAGCCAGAAA
 TGTCTAGCTGTGGAGACTGTGCTGGAGAGCTGGTGGGAGAACAAGCTGCAAATCAGCCCGCCCGAGGG
 CATCCAAATTCATTAATTTTACTCTTTGAAACAGTGGGGCAATGAGCTCAAGAATTCGATGTCTTCTT
 TCCGCTCTGGGAGAGACATAATGATAGTCGGAGGACTGTGTTTTATACCAATGAAGAGTGGAACTTTT
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 CTGGAACAGTTAAAGAAAGACCTGTCCAGTCAGAAGGAGCTTGTTCGACTGCTCCAGCAGACAGTCCGGT
 CTCCCAGTATGACAAGTATTTCAAGCAGCCGGCTCTGTGAGGGGGTCCCAAAGGACACGCTCGAGCT
 TCTGCACCAAAAGGATGATCAGATTCTGGCCCTTACCAGCCAGCTGGAGAGGTTTCACTTGGAGAAGGAG
 AGTCTTACAGCAGGAAGTAAAGACGCTGAAGAGCAAAGTGGGCGAGCTCAACGAGCAGCTGGGAATGCTCA
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 CACCGTGGCGCCAGCTCCCTTCGGTTGTGCTGTTGCCAGGGACCAGCTGGAAGTGGACAGGCTGAAA
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 GAAGAAATGCAGAAAGGAGAGAGGGATCTGATGGCAAAGTATTCTAGCCTGGAAGCCAAGCTCTGCCA
 GATAGAAAAGTAAATACCTGATATTGCTCCAAGAAATGAAGACACCAGTGTGCTCAGAAGACCAGGGGCC
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 CATTTGTAAACCTCATCTTGTCAAGTGAATATGATATTTATGGGTTACAGGACTGTACCTGAGGATGATGA
 GGAAGAGAAAATTGGTTGCCAAGTCCGCGCGTTGGATCTGAAGACTCTCTACCTCACAGAAAACCAGGAA
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 TCTCCGCTACTTCACTCGCACTATCCTTGATGCTAGATCCGAACCGACGCGCTACCCTTGGAGAAAG
 TCCGGCTGGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212169 representing NM_015079
 Red=Cloning site Green=Tags(s)

MPGAGARAEEGGGGEGAAQGAAEPGAGPAREPARLCCYLQKLSGKGPLRGYRSRWFVFDARRCYLYYF
 KSPQDALPLGHLDIADACFSYQGPDEAAEPGTEPPAHFQVHSAGAVTVLKAPNRQLMTYWLQELQQRWE
 YCNSLDMVKWDSRTSPTPGDFPKGLVARDNTDLIYPHPNASEAKARNVLAVETVPGELVGEQAANQFAPG
 HPNSINFYSLKQWGNELKNSMSSFRPGRGHNDSRRTVFYTNEEWELLDPTPKDLEESIVQEKKLTPEG
 NKGVTGSGFPDFGRNPYKGRPLKDIIGSYKNRHSSGDPSSSEGTSGSGSVSIRKPASEMQLQVQSQQEE
 LEQKKDLSSQKELVRLQQTVRSSQYDKYFTSSRLCEGVPKDTLELLHQKDDQILGLTSQLERFSLEKE
 SLQQEVRTLKSKVGELENEQLGMLMETIQAKDEVIKLSGEGNGPPPTVAPSSPSVVPVARDQLELDRLK
 DNLQGYKTQNKFLNKEILELSALRRNAERRERDLMAKYSSLEAKLCQIESKYLILLQEMKTPVCSEDQGP
 TREVIAQLLEDALQVESQEQPEQAFVKPHLVSEYDIYGFRTVPEDDEEKLVAKVRALDLKTLYL TENQE
 VSTGVKWENYFASTVNREMMCSPKLNLRIRAGIPHEHRKSVWKCVDHRTRKFKDNTPEGHFQTLQKAL
 EKQNPASKQIELDLLRTLPNKHYSCPTSEGIQKLRNVLLAFSWRNPDIGYCGQLNRLVAVALLYLEQED
 AFWCLVTIVEVFMPRDYTKTLLGSQVDQRFVFDLMSEKLPRLHGHFEQYKVDYTLITFNWFLVVFVDSV
 VSDILFKIWDSTFLYEGPKVIFRFALALFKYKEEILKLQDSMSIFKYLRVYFTRTILDARSGTDAPTTWRK
 SGWS

TRTRPLE - GFP Tag - V

Restriction Sites:

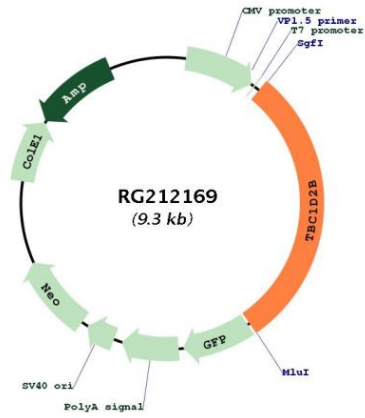
SgfI-MluI

Cloning Scheme:



ACCN:	NM_015079
ORF Size:	2742 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_015079.6
RefSeq Size:	6035 bp
RefSeq ORF:	2745 bp
Locus ID:	23102
UniProt ID:	Q9UPU7
Cytogenetics:	15q24.3-q25.1
Domains:	TBC
Protein Families:	Transcription Factors
Gene Summary:	May act as a GTPase-activating protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212169