

Product datasheet for **RG212240**

TBL1Y (NM_134259) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBL1Y (NM_134259) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBL1Y
Synonyms:	DFNY2; TBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212240 representing NM_134259
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCATAACCACTGACGAGGTGAACCTTCTGGTTTATCGGTATCTCCAGGAGTCAGGTTTTTCTCACT
 CGGCTTTACGTTTGGGATCGAGAGCCACATCAGCCAGTCCAACATCAATGGGACACTAGTGCCACCGTC
 TGCCCTCATCTCCATTCTCCAGAAGGGACTGCAGTATGTAGAGGCTGAGATAAGCATCAACAAGGATGGC
 ACAGTGTTCGACAGCCGCCCTATAGAGTCCCTGTCCCTGATAGTTGCTGTGATTCTGATGTGGTGCAGA
 TGCGGCAGCAGGCATTTGGAGAGAAGCTCACTCAGCAGCAAGCCAGTGCAGCAGCCACAGAGGCATCAGC
 AATGGCAAAGGCGCAACCATGACCCAGCTGCTATTTCCAGCAAAAATCCTCCAAGAACCAGAGAGGCC
 ACAGTGAACGGGAAGAGAATGGAGCACATGAAATCAATAACTCAAGCCAATGGAATAGATGGGG
 ATGTTGAGATCCACCAACAAAGCCACAGTCTTCGGGGCCACGAGTCTGAGGTGTTTCATTTGTCCCTG
 GAACCCTGTCAGTATTTGCTAGCCTCTGGATCTGGAGACTCAACTGCAAGGATATGGAACCTGAATGAG
 AATAGCAACGGGGCTCCACCCAGCTCGTGTGAGACATTGTATACGAGAAGGGGGCACGACTCCCAA
 GTAATAAAGATGTCACCTCACTGGACTGGAACAGTGTGGAACACTATTGGCTATGGGTTTATATGATGG
 TTTTCGAAAGATATGGACAGAAAATGGTAACCTGGCCAGCACCTTAGGCCAACATAAAGGCCCATCTTC
 GCTCTGAAATGGAACAAAAGGGGAATTATGTTTTGAGTGTGGTGTAGACAAAACAACAATAATTTGGG
 ATGCTCACACAGGAGAAGCCAAACAGCAGTTTCCTTTTTCATTAGCCCGCCCTTGATGTGGACTGGCA
 GAACAACATGACCTTTGCCTCCTGTAGCACAGACATGTGTATCCATGTGTGCAGGCTCGGCTGTGACCAC
 CCAGTCAAAACCTTCCAGGGACACAAACGAGGTCAATGCCATCAAATGGGATCCTTCTGGAATGTTGC
 TGGCGTCTGCTCGGATGACATGACATTGAAGATCTGGAGTATGAAGCAGGATGCATGCTCCACGATCT
 TCAGGCTCACAGCAAGAGATCTACACCATCAAGTGGAGCCCCACGGGCCTGCCACCAGCAACCCAAAC
 TCAGCATCATGTTGGCAAGTGCTTCATTTGATTCTACAGTGCAGTGTGGGATGTGGAGCAAGGTGCT
 GCACCCACACACTCATGAAGCATCAAGAGCCTGTCTACAGTGTAGCTTTAGCCCGATGGAAGTACTT
 GGCTAGTGGATCCTTTGACAAGTATGTTTATCTGGAATACTCAGAGTGGAAAGTCTCGTCCACAGCTAC
 CAAGGCACTGGCGGTATCTTCGAGGTGTCTGGAACGCCCGAGGAGATAAAGTGGGCGCCAGCGCTCTG
 ATGGCTCTGTGTGTTCTGGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG212240 representing NM_134259
 Red=Cloning site Green=Tags(s)

MSITSDEVNFLVYRYLQESGFSHSAFTFGIESHISQSNINGTLVPPSALISILQKGLQYVEAEISINKDG
 TVFDSRPIESLSLIVAVIPDVVQMRQAFGEKLTQQASAAATEASAMAKAATMTPAAISQNPKNREA
 TVNGEENGAHEINNHSKPMIDGDVEIPPNKATVLRGHESEVFIGAWNPVSDLLASGSGDSTARINLNE
 NSNGGSTQLVLRHCIREGGHDVPSNKDVTSLDWNDSGTLAMGSYDGFARIWTENGLASTLGQHKGPIF
 ALKWNKKGNVLSAGVDKTTIIWDAHTGEAKQFPFHSAPALDWDWQNNMTFASCSTDMCIHVCRLGCDH
 PVKTFQGHTEVNAIKWDPGMLLASCDDMTLKIWSMKQDACVHDLQAHSKEIYTIKWSPTGPATSNPN
 SSIMLASASFDSTVRLWDVEQGVCTHTLMKHQEPVYSVAFSPDGKYLASGSFDKYVHIWNTQSGSLVHSY
 QGTGGIFEVWNARGDKVGASASDGSVCVLDL

TRTRPLE - GFP Tag - V

Restriction Sites:

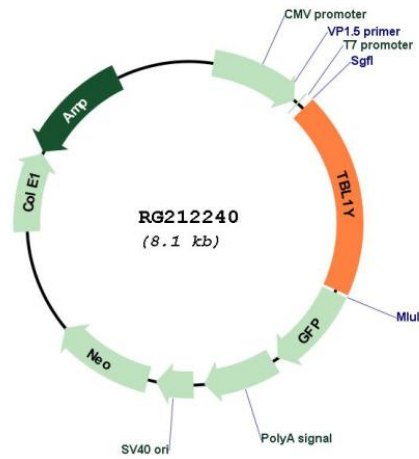
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_134259
ORF Size:	1566 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_134259.1 , NP_599021.1
RefSeq Size:	2312 bp
RefSeq ORF:	1569 bp
Locus ID:	90665
UniProt ID:	Q9BQ87
Cytogenetics:	Yp11.2
Domains:	WD40, LisH
Protein Families:	Transcription Factors
Protein Pathways:	Wnt signaling pathway

Gene Summary:

The protein encoded by this gene has sequence similarity with members of the WD40 repeat-containing protein family. The WD40 group is a large family of proteins, which appear to have a regulatory function. It is believed that the WD40 repeats mediate protein-protein interactions and members of the family are involved in signal transduction, RNA processing, gene regulation, vesicular trafficking, cytoskeletal assembly and may play a role in the control of cytotypic differentiation. This gene is highly similar to TBL1X gene in nucleotide sequence and protein sequence, but the TBL1X gene is located on chromosome X and this gene is on chromosome Y. This gene has three alternatively spliced transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]