

Product datasheet for **RG214764**

TBL1Y (NM_134258) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG214764 representing NM_134258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCATAACCAGTGACGAGGTGAACTTTCTGGTTTATCGGTATCTCCAGGAGTCAGGTTTTCTCACT
 CGGCTTTACAGTTTGGGATCGAGAGCCACATCAGCCAGTCCAACATCAATGGGACACTAGTGCCACCGTC
 TGCCCTCATCTCCATTCTCCAGAAGGACTGCAGTATGTAGAGGCTGAGATAAGCATCAACAAGGATGCG
 ACAGTGTCGACAGCCGCCCTATAGAGTCCCTGTCCCTGATAGTTGCTGTGATTCTGATGTGGTGCAGA
 TCGCGCAGCAGGCATTTGGAGAGAAGCTCACTCAGCAGCAAGCCAGTGCAGCAGCCACAGAGGCATCAGC
 AATGGCAAAGGCGGCAACCATGACCCAGCTGCTATTTCCAGCAAAATCCTCCAAAGAACCAGAGAGGCC
 ACAGTGAACGGGAAGAGAATGGAGCAGTGAATCAATAACTCAAAAGCCAATGGAATAGATGGGG
 ATGTTGAGATTCCACCAACAAAGCCACAGTCTTCGGGGCCACGAGTCTGAGGTGTTCAATTTGTGCTG
 GAACCTGTCACTGATTTGCTAGCCTCTGGATCTGGAGACTCAACTGCAAGGATATGGAACCTGAATGAG
 AATAGCAACGGGGCTCCACCCAGCTCGTGTGAGACATTGTATACGAGAAGGGGGGCACGACGTCCCAA
 GTAATAAGATGTACCTCACTGGACTGGAACAGTGTGGAACACTATTGGCTATGGGTTTATATGATGG
 TTTGCAAGAATATGGACAGAAAATGGTAACCTGGCCAGCACCTTAGGCCAACATAAAGGCCCATCTTC
 GCTCTGAAATGGAACAAAAGGGGAATTATGTTTTGAGTGTGGTGTAGACAAAACAATAATTTGGG
 ATGCTCACACAGGAGAAGCCAAACAGCAGTTTCTTTTCATTACGCCCCGCCCTTGATGTGGACTGGCA
 GAACAACATGACCTTTGCCTCTGTAGCAGACATGTGTATCCATGTGTGCAGGCTCGGCTGTGACCAC
 CCAGTCAAAACCTTCCAGGGACACAAAACGAGGTCAATGCCATCAATGGGATCCTTCTGGAATGTTGC
 TGGCGTCTGCTCGGATGACATGACATTGAAGATCTGGAGTATGAAGCAGGATGCATGCGTCCACGATCT
 TCAGGCTCACAGCAAAGAGATCTACACCATCAAGTGGAGCCCCACCGGGCTGCCACCAGCAACCCAAAC
 TCCAGCATCATGTTGGCAAGTGCTTCATTTGATTCTACAGTGCAGTGTGGGATGTGGAGCAAGGTGTCT
 GCACCCACACACTCATGAAGCATCAAGAGCCTGTCTACAGTGTAGCTTTACGCCCGATGGAAGTACTT
 GGCTAGTGGATCCTTTGACAAGTATGTTTATCTGGAATACTCAGAGTGAAGTCTCGTCCACAGCTAC
 CAAGGCACTGGCGTATCTTCGAGGTGTGCTGGAACGCCCGAGGAGATAAAGTGGCGCCAGCGCTCTG
 ATGGCTCTGTGTGTTCTGGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214764 representing NM_134258
 Red=Cloning site Green=Tags(s)

MSITSDEVNFLVYRYLQESGFSHSAFTFGIESHISQSNINGTLVPPSALISILQKGLQYVEAEISINKDG
 TVFDSRPIESLSLIVAVIPDVVQMRQAFGEKL TQQASAAATEASAMAKAATMTPAAISQNPKNREA
 TVNGEENGAHEINNHSKPMEIDGDVEIPPKNKATVLRGHESEVFI CAWNPVSDLLASGSGDSTARIWNLNE
 NSNGGSTQLVLRHCIREGGHDVPSN KDVTSLDWN SDGTL LAMGSYDGFARIWTENGLASTLGQHKGP I F
 ALKWNKKGNYVL SAGVDKTTIIWDAHTGEAKQQFPFHSAPALD VDWQNNMTFASCSTDMCIHVCRLGCDH
 PVKTFQGHTNEVNAIKWDP SGM L LASCSDMTLKIWSMKQDACVHDLQAHSKEIYTIKWSPTGPATSNPN
 SSIMLASASFDSTVRLWDVEQGVCTHTLMKHQEPVYSVAFSPDGKYLASG SFDKYVHIWNTQSGSLVHSY
 QGTGGIFEVCWNARGDKVGASASDGSVCVLDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134258

ORF Size: 1566 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

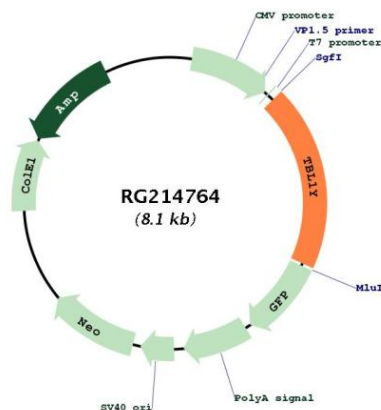
RefSeq: [NM_134258.1](#), [NP_599020.1](#)

RefSeq Size: 2376 bp

RefSeq ORF:	1569 bp
Locus ID:	90665
UniProt ID:	Q9BQ87
Cytogenetics:	Yp11.2
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]

Product images:



Circular map for RG214764