

Product datasheet for **RG203875**

TBL3 (NM_006453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBL3 (NM_006453) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBL3
Synonyms:	SAZD; UTP13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG203875 representing NM_006453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGAGACCGCGCCGAGTGGGCCGCTTCAAGACCAACTATGCTGTGGAGCGCAAAATTGAGCCTT
 TCTACAAGGGCGGAAAAGCACAGCTGGACCAGACTGGCCAGCACCTCTTCTGCGTGTGGCACCAGAGT
 CAACATTCTGGAAGTGGCCTCGGGGGCCGTGCTGCGGAGTCTGGAGCAGGAGGACCAGGAGGACATCACT
 GCCTTTGACCTCAGCCCTGACAACGAGGTGCTGGTGACAGCCAGTCGGGCATTGCTGCTGGCTCAGTGCG
 CCTGGCAAGAGGGCAGCGTTACCCGCTGTGGAAGGCGATACACAGGCCCGCTGGCCACCATGGCCTT
 CGACCCACCTCCACTCTGCTAGCCACAGGTGGCTGTGATGGGGCCGTGCGCGTCTGGGACATCGTGCGG
 CACTACGGGACACACCACTTCGAGGCTCGCCCGGTGCTGTCACCTAGTGGCTTCCACCCGACCCCTA
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 GTCGTGGCCTCCAATAGCCCTGCCTAAAAGTGTGAGCTGCAGACGTACGCTGCCAGATCCTCCACG
 GCCACACGGATATCGTCCTGGCCCTGGATGTGTTCCGGAAGGGTGGCTCTTGGCAGCTGTGCCAAGGA
 TCAGAGCGTCCGTATCTGGAGAATGAACAAGGCTGGCCAGGTGATGTGCGTGGCTCAGGGTTCGGTCA
 ACACACAGTGTGGGCACCGTCTGCTGCTTAGGCTGAAGGAGTCCTTCTGGTGACAGGCAGCCAGGACT
 GCACTGTGAAGCTGTGGCCTCTTCCCAAAGCCTTGTGTCGAAGAACACAGCCCCAGACAACGGCCCTAT
 CCTCTGCAGGCCAGACCACTCAGCGCTGCCATGATAAGGACATCAACAGCGTGGCTATTGCCCCCAAC
 GACAAGCTGTGGCCACAGGCTCACAGGACCGCACGGCCAAGCTCTGGGCCCTGCCACAGTGCCAGCTGC
 TGGGTGTCTTCTCAGGCCACCGCGTGGCCTCTGGTGCGTCCAGTTCTCTCCATGGACCAGGTGCTGGC
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 AGCAAGAGCTGGACAACCTGTGCTATGAGAAGCGGTACCTGCGGGCGCTGGGCCTGGCCATCTCCCTGGA
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 ACTCGGGCACTGCCACGAGGCCAGGCCGTGCTGGGTGTGCTCTTGAGGCGAGAGGCCCCGAGGAGCT
 GCTGGCCTACGAAGGCGTGGGGCAGCGCTTGAAGCCCTGCTGCCCTACACTGAGCGGCACTTTAGCGG
 CTCAGCAGGACCTCCAGGCCGCGCTTCTTGGACTTCTGTGGCACAACATGAAGCTCCCTGTGCCGG
 CCGCCGCCCCACCCCTGGGAAACCCATAAAGGCGCACTGCC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

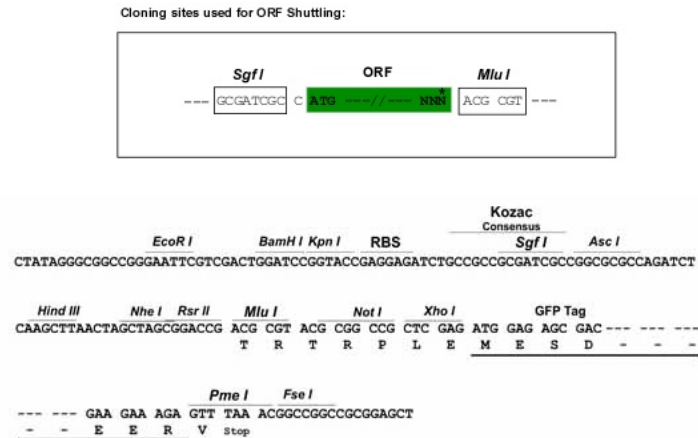
>RG203875 representing NM_006453
 Red=Cloning site Green=Tags(s)

MAETAAGVGRFKTNYAVERKIEPFYKGGKAQLDQTGQHLFCVCGTRVNILEVASGAVLRSLEQEDQEDIT
 AFDLSPDNEVLVTASRALLLAQWAWQEGSVTRLWKAIHTAPVATMAFDPTSTLLATGGCDGAVRVWDIVR
 HYGTHHFRGSPGVVHLVAFHPDPTRLLLFSSATDAAIRVWSLQDRSCLAVLTAHYSAVTSLAFSADGHTM
 LSSGRDKICIIWDLQSCQATRTVPVFESVEAAVLLPEEPVSQLGVKSPGLYFLTAGDQGTLRVWEAASGQ
 CVYTQAQPPGPGQELTHCTLAHTAGVVLTATADHNLLLYEARSLRLQKQFAGYSEEVLVDVRFLLGPEDSHV
 VVASNSPCLKVFELQTSACQILHGHTDIVLALDVFRKGWLFASCAKDQSVRIWRMKNKAGQVMCVAQSGSH
 THSVGTVCCSRLKESFLVTGSQDCTVKLWPLPKALLSKNTAPDNGPILLQAQTTQRCHDKDINSVAIAPN
 DKLLATGSQDRTAKLWALPQCQLLGVFSGHRRGLWCVQFSPMDQVLATASADGTIKLWALQDFSLCKTFE
 GHDAVLKVAFVSRGTQLLSSGSDGLVKLWTIKNNECVRTLDAHEDKVWGLHCSRLDDHALTGASDSRVI
 LWKDVTEAEQAEQARQEEQVVRQQELDNLLHEKRYLRALGLAISLDRPHTVLTVIQAIRRDPEACEKLE
 ATMLRLRRDQKEALLRFCVTWNTNSRHCEAQAVALGVLLRREAPEELLAYEGVRAALEALLPYTERHFQR
 LSRTLQAAAFDLFLWHNMKLPVPAAPTPWETHKGALP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_006453

ORF Size: 2424 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_006453.3](#)

RefSeq Size: 2618 bp

RefSeq ORF: 2427 bp

Locus ID: 10607

UniProt ID: [Q12788](#)

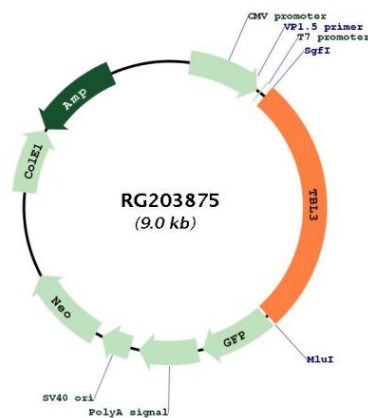
Cytogenetics: 16p13.3

Domains: WD40

Protein Families: Druggable Genome

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 has multiple polyadenylation sites. It might have multiple alternatively spliced transcript variants but the variants have not been fully described yet. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203875