

## Product datasheet for **RC226934**

### **TBL1 (TBL1X) (NM\_001139468) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TBL1 (TBL1X) (NM_001139468) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBL1
Synonyms:	CHNG8; EBI; SMAP55; TBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC226934 representing NM\_001139468  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCATAACCACTGACGAGGTGAACCTTCTGGTGTATCGGTATCTCCAGGAGTCAGGTTTTCCCACT  
 CGGCTTTACGTTTGGGATTGAGAGCCACATCAGCCAGTCCAACATCAATGGGACCTAGTGCCACCGGC  
 CGCCCTCATCTCCATTCTCCAGAAGGCCCTGCAGTATGTAGAGGCCGAGATCAGTATCAACGAGGATGGC  
 ACAGTGTTCGACGGCCGCCCATAGAGTCCCTGTCACTGATAGACGCCGTGATGCCCGACGTGGTGCAGA  
 CGCGGCAGCAGGCATTCCGAGAGAAGCTCGCTCAGCAGCAAGCCAGTGGCGCGCGCGCGCTGCGGC  
 CACGGCAGCAGCGACAGCAGCCACCAGACCTCAGCCGGCGTTTCCACCAAAATCCATCGAAGAACAGA  
 GAGGCCACGGTGAATGGGAAGAGAACAGAGCACATTCAGTCAATAATCACGCGAAGCCAATGGAATAG  
 ATGGAGAGTTGAGATTCATCCAGCAAAGCCACAGTCTTCGGGGCCATGAGTCTGAGGTGTTCAATTTG  
 TGCTTGAATCCTGTCACTGATTTGCTAGCCTCCGGATCCGGAGACTCAACTGCAAGGATATGGAACCTG  
 AATGAGAATAGCAACGGGGCTCCACCCAGCTCGTGTGAGGCACTGTATACGAGAGGGGGCCATGACG  
 TCCCGAGTAACAAGACGTACCTCACTGGACTGGAATACCAATGGAACACTCTTGGCTACGGGTTCCATA  
 TGACGGTTTTGCAAGAATATGGACGGAAGATGGTAACCTGGCCAGCACCTTAGGCCAGCATAAAGGCCCC  
 ATCTTTGCCTTGAATGGAACCGAAAGGGGAATTACATTTTGAAGTGTGGTGTAGACAAAACAATAA  
 TTTGGGATGCCACACAGGAGAAGCCAAACAGCAGTTCCTTTTTCATTACGCCCTGCCCTTGATGTGGA  
 CTGGCAGAACACAGCAGCTTTGCCTCCTGTAGCACAGACATGTGTATCCATGTGTGCAGGCTCGGCTGT  
 GACCGCCAGTCAAACCTTCCAGGGACACAAAACGAGGTCAACGCCATCAAATGGGATCCGTGCGATCCA  
 TGTGCTGGCATCCTGCTCGGATGACATGACATGAAGATCTGGAGCATGAAACAGGAGGTGTGCATCCA  
 TGATCTTCAGGCTCAACAATAAGAGATCTACACCATCAAGTGGAGCCCACTGGGCGCCGCCACCAGCAAC  
 CAAAACCTCAACATCATGTTGGCAAGTGTCTCGTTTATTCTACGGTGGGACTGTGGGACATAGAACGAG  
 GCGTCTGCACCCACAGCTCACGAAGCATCAGGAGCCTGTCTATAGCGTAGCTTTAGCCCTGATGGGAA  
 GTACTTGGCCAGTGGATCCTTCGACAAGTGCCTCCATATCTGGAATACTCAGAGTGGAAATCTTGTCCAC  
 AGCTACCGAGGCACTGGCGGCATCTTCGAGGTGTCTGGAACGCCCGAGGAGACAAAGTGGGTGCCAGCG  
 CGTCCGACGGCTCTGTGTGTGTTTGGATCTGCGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC226934 representing NM\_001139468  
 Red=Cloning site Green=Tags(s)

MSITSDEVNFLVYRYLQESGFSHAFTFGIESHISQSNINGTLVPPAALISILQKGLQYVEAEISINEDG  
 TVFDGRPIESLSLIDAVMPDVVQTRQQAFREKLAQQQASAAAAAATAAATAATTTAGVSHQNPNSKNR  
 EATVNGEENRAHSVNNHAKPMEIDGVEEIPSSKATVLRGHESEVFCAWNVPVSDLLASGSGDSTARIWNL  
 NENSNGGSTQLVLRHCIREGGHDVPSNKDVTSLDWNTNGTLLATGSYDGFARIWTEGDNLASTLGQHKGP  
 IFALKWNRKGNLYILSAGVDKTTIIWDAHTGEAKQQFPFHSAPALDQVQNNNTTFASCSTDMCIHVCRLGC  
 DRPVKTFQGHNTNEVNAIKWDPGMLLASCSDDMTLKIWSMKQEVCIHDLQAHNKEIYTIKWSPTGPATSN  
 PNSNIMLASASFDSTVRLWDIERGVCTHTLTKHQEPVYSVAFSPDGKYLASGSFDCVHIWNTQSGNLVH  
 SYRGTGGIFEVCWNARGDKV GASASDGSVCVLDLRK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001139468

**ORF Size:** 1578 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\\_001139468.1](#), [NP\\_001132940.1](#)

**RefSeq ORF:** 1581 bp

**Locus ID:** 6907

**UniProt ID:** [O60907](#)

**Cytogenetics:** Xp22.31-p22.2

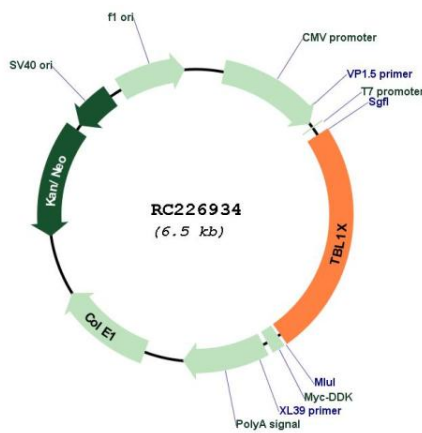
**Protein Families:** Transcription Factors

**Protein Pathways:** Wnt signaling pathway

**MW:** 56.9 kDa

**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 encoded protein is found as a subunit in corepressor SMRT (silencing mediator for retinoid and thyroid receptors) complex along with histone deacetylase 3 protein. This gene is located adjacent to the ocular albinism gene and it is thought to be involved in the pathogenesis of the ocular albinism with late-onset sensorineural deafness phenotype. Four transcript variants encoding two different isoforms have been found for this gene. This gene is highly similar to the Y chromosome TBL1Y gene. [provided by RefSeq, Nov 2008]

**Product images:**



Circular map for RC226934